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ABSTRACT

The National Assessment of Educational Progress's (NAEP's) Public-Use Data tapes (22 tapes) contain data for several national samples of one particular age-group (9-, 13- or 17-year-olds or adults between the ages of 26 and 35) who were assessed in a particular learning area (citizenship/social studies, mathematics, reading, and science). In order to enhance the ease of using NAEP data for National Institute of Education (NIE) and other secondary analysts and researchers NIE produced full Statistical Analysis System (SAS) and Statistical Package for the Social Sciences (SPSS) systems versions of NAEP data, for use at the National Institute of Health (NIH) IBM installation. After all tapes are processed, there will be 7 SAS tapes and 8 SPSS tapes containing 25 SAS Data Bases and 202 SPSS system files. SAS Data Bases will contain 202 SAS Data sets. This document is designed as a reference for users who have had some exposure to SAS, SPSS and Job Control Language (JCL). It is not intended as a tutorial introduction, either to SAS programs or to SPSS programs. (Author/CM)

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INTRODUCTION TO THE NATIONAL ASSESSMENT OF EDUCATION PROGRESS SAS AND SPSS SYSTEM FILES

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APPENDIX

A: SAS Data Base and SPSS System Files

B: SAS Run

C: SAS Log

D: Sample JCL for SAS Run

E: Sample SAS Report

F: SPSS Run

G: SPSS Log

H: Sample JCL for SPSS Run

I: Sample SPSS Report

1.0 INTRODUCTION

National Assessment's Public-Use Data tapes (22 tapes) contain data for several national samples of one particular age group (9- , 13- or 17-year-olds or adults betweeen the ages of 26 and 35) who were assessed in a particular learning area (citizenship/social studies, mathematics, reading, and science).

In order to enhance the ease of using NAEP data for National Institute of Education (NIE) and other secondary analysts and researchers, NIE produced full SAS and SPSS systems versions of NAEP data, for use at the National Institute of Health (NIH) IBM installation.

After all tapes are processed, there will be seven (7) SAS tapes and eight (8) SPSS tapes containing twenty five (25) SAS Data Bases and two hundred and two (202) SPSS system files. SAS Data Bases will contain two hundred and two (202) SAS Data sets. (Please refer to Appendix A.)

This document is designed as a reference for users who have had some exposure to SAS, SPSS and JCL. It is not intended as a tutorial introduction, either to SAS programs or to SPSS programs.

2.0 SAS SYSTEM FILES

- SAS data base naming conventions

  All SAS Data Base names have the format:

  Yyysssaa.SAS or Cyysssaa.SAS

  where

  Yyy or Cyy = year
  sss = subject
  aa = age prefix

  yy
  - 02 = 1970 - 1971
  - 04 = 1972 - 1973
  - 06 = 1974 - 1975
  - 07 = 1975 - 1976
  - 08 = 1976 - 1977
  - 09 = 1977 - 1978
  - 11 = 1977 - 1980

  sss
  - BAS = Supplementary Mathematics
  - CSS = Citizenship/Social Studies
  - MAT = Mathematics
  - RDL = Reading/Literature
  - RED = Reading
  - SCI = Science
  - ALL = Science, Energy, Reading, and Health

  aa
  - 09 = age 9
  - 13 = age 13
  - 17 = age 17
  - AD = Adult

- SAS Data Set Naming Conventions

  All SAS Data Set names have the format:

  sssaaPbb

  where

  sss = subject
  aa = age prefix
  bb = booklet number 01-nn

- Create SAS Data Base (Sample)

```
Execute from SASRUN
If it is ok to clear text, reply "YES"
Clear? Yes

Enter the file-name or 'LIST' or 'END'
Enter: File-Name----------> Y11RDL09
```

FILE NAME	INPUT VOLSER	....INPUT-LABEL-SEQ.... SAS FMT	SASCARDS	DATA	SAE OUTPUT VOLSER	SEQ	MAX STFP	1ST SAS
Y11RDL09	004951	025	014-024	050-060	043561	001	11	01

```
Processing the above file (and parameters)

Numbered to 1/167 by 1

Control now returned to User
Run stream now ready in work-space
Job-Name=ZCSRDL09; Lines-167

----------END----------

? Run Hold Notify
Job 6555 ZCSRDL09 Submitted
```

- JCL to execute an SAS job using SAS Data Base

```
//(JOB card)
/*ROUTE XEQ 9T6250
/*MESSAGE Serial, R
//PROCLIB DD DSN=ZABCRUN.PROCLIB,DISP=SHR
//Stepname EXEC    SAS
//ddname1 DD UNIT=9T6250, DISP=SHR,
//         VOL=SER=Serial1,
//         DSN=Yyyssaa.SAS,LABEL=(nn,SL)
//SYSIN    DD *
       ---SAS program---
```

where

kkk = Key word
Serial = SAS Data Base tape number
yy = year
sss = subject
aa = age prefix
nn = sequence number on tape

3.0 SPSS SYSTEM FILES

- SPSS system file naming conventions

  All SPSS system file names have the following:

  Yyysssaa.sssaaPbb or Cyysssaa.sssaaPbb

  where

  Yyy or Cyy = year
  sss = subject
  aa = age prefix
  bb = booklet number

- JCL to execute an SPSS job using SPSS system file

```
//(JOB card)
/*ROUTE XEQ 9T6250
/*MESSAGE Serial, R
//PROCLIB DD DSN=ZABCRUN.PROCLIB, DISP=SHR
//Stepname EXEC SPSS
//FT03F001 DD unit=9T6250, DISP=SHR
//         VOL=SER=Serial,
//         DSN=YyySssaa.sssaaPbb, LABEL=(nn,SL)
//SYSIN DD *
       ---SPSS program---
```

where

kkk = Key word
Serial = SPSS system file tape number
yy = year
sss = subject
aa = year prefix
bb = booklet number
nn = sequence number on tape

```
Create SPSS Sytem File (Sample)

Execute from SPSSRUN

If it is ok to clear text, reply "YES"
Clear? Yes

Enter the file-name or 'LIST' or 'END'
Enter:  File-Name----------> Y09MAT17

=============+=============================================================
FILE         | INPUT  |  ..INPUT-LABEL-SEQ..  | SPSS OUTPUT | MAX  | 1ST
NAME         | VOLSER |  SPSS  |      DATA    | VOLSER | SEQ | STEP | SET
=============+========+========+==============+========+=====+======+=====
Y09MAT17     | 034558 | 028-039|      | 054-065| 057280 | 019 |  12  | 01

Processing the above file (and parameters)

=============================================================

Numbered to 1/123 by 1

Control now returned to User
Run stream now ready in work-space
Job-Name=ZCSMAT17; Lines=123

=========================END=================================

? Run hold notify
Job 7231 ZCSMAT17 Submitted
```

APPENDIX A

SAS DATA BASE AND SPSS SYSTEM FILES

APPENDIX A

Tape	Sequence #	SAS Data Base	SAS Data Sets
006568	01	C04MAT09.SAS	MAT09P01
			MAT09P02
			MAT09P03
			MAT09P04
			MAT09P05
			MAT09P06
			MAT09P07
	02	CO4MAT13.SAS	MAT13P01
			MAT13P02
			MAT13P03
			MAT13P04
			MAT13P05
			MAT13P06
			MAT13P07
			MAT13P08
			MAT13P09
	03	C04MAT17.SAS	MAT17P01
			MAT17P02
			MAT17P03
			MAT17P04
			MAT17P05
			MAT17P06
			MAT17P07
			MAT17P08
			MAT17P09
			MAT17P10
			MAT17P11
044192	01	Y07BAS13.SAS	BAS13P01
			BAS13P02
	02	Y07BAS17.SAS	BAS17P01
			BAS17P02
043558	01	Y09MAT09.SAS	MAT09P01
			MAT09P02
			MAT09P03
			MAT09P04
			MAT09P05
			MAT09P06
			MAT09P07
	02	Y09MAT13.SAS	MAT13P01
			MAT13P02
			MAT13P03
			MAT13P04
			MAT13P05
			MAT13P06
			MAT13P07
			MAT13P08
			MAT13P09

			MAT13P10
			MAT13P11
	03	Y09MAT17.SAS	MAT17P01
			MAT17P02
			MAT17P03
			MAT17P04
			MAT17P05
			MAT17P06
			MAT17P07
			MAT17P08
			MAT17P09
			MAT17P10
			MAT17P11
			MAT17P12
026793	01	Y02RDL09.SAS	RDL09P01
			RDL09P02
			RDL09P03
			RDL09P04
			RDL09P05
			RDL09P06
			RDL09P07
			RDL09P08
			RDL09P09
			RDL09P10
			RDL09P11
			RDL09P12
	02	Y02RDL13.SAS	RDL13P01
			RDL13P02
			RDL13P03
			RDL13P04
			RDL13P05
			RDL13P06
			RDL13P07
			RDL13P08
			RDL13P09
			RDL13P10
			RDL13P11
			RDL13P12
			RDL13P13
			RDL13P14
			RDL13P15
	03	Y02RDL17.SAS	RDL17P01
			RDL17P01
			RDL17P02
			RDL17P03
			RDL17P04
			RDL17P05
			RDL17P06
			RDL17P07
			RDL17P08
			RDL17P09
			RDL17P10

			RDL17P11
			RDL17P12
	04	Y02RDLAD.SS	RDLADP01
			RDLADP02
			RDLADP03
			RDLADP04
			RDLADP05
			RDLADP06
	05	Y06RED09.SAS	RED09P01
			RED09P02
			RED09P03
	06	Y06RED13.SAS	RED13P01
			RED13P02
			RED13P03
	07	Y06RED17.SAS	RED17P01
			RED17P02
			RED17P03
043561	01	Y11RDL09.SAS	RDL09P01
			RDL09P02
			RDL00P03
			RDL09P03
			RDL09P04
			RDL09P05
			RDL09P06
			RDL09P07
			RDL09P10
			RDL09P11
	02	Y11RDL13.SAS	RDL13P01
			RDL13P02
			RDL13P03
			RDL13P04
			RDL13P05
			RDL13P06
			RDL13P07
			RDL13P08
			RDL13P09
			RDL13P10
			RDL13P11
			RDL13P12
			RDL13P13
			RDL13P14
			RDL13P15
	03	Y11RDL17.SAS	RDL17P01
			RDL17P02
			RDL17P03
			RDL17P04
			RDL17P05
			RDL17P06
			RDL17P07
			RDL17P08
			RDL17P09
			RDL17P10
			RDL17P11

			RDL17P12
			RDL17P13
			RDL17P14
022369	01	Y07CSS09.SAS	CSS09P01
			CSS09P02
			CSS09P03
			CSS09P04
			CSS09P05
	02	Y07CSS13.SAS	CSS13P03
			CSS13P04
			CSS13P05
			CSS13P06
			CSS13P07
			CSS13P08
			CSS13P09
			CSS13P10
	03	Y07CSS17.SAS	CSS17P03
			CSS17P04
			CSS17P05
			CSS17P06
			CSS17P07
			CSS17P08
			CSS17P09
			CSS17P10
			CSS17P11
020534	01	Y08SCI09.SAS	SCI09P01
			SCI09P02
			SCI09P03
			SCI09P04
			SCI09P05
			SCI09P06
			SCI09P07
	02	Y08SCI13.SAS	SCI13P01
			SCI13P02
			SCI13P03
			SCI13P04
			SCI13P05
			SCI13P06
			SCI13P07
			SCI13P08
			SCI13P09
			SCI13P10
	03	Y08SCI17.SAS	SCI17P01
			SCI17P02
			SCI17P03
			SCI17P04
			SCI17P05
			SCI17P06
			SCI17P07
			SCI17P08

```
                                                        SCI17P09
                                                        SCI17P10
                                                        SCI17P11

      050715        01              Y08ALLAD.SAS        HEAADP03
                                                        REDADP01
                                                        SCIADP02
                                                        SCIADP04
```

Tape #	Sequence #	SPSS System File
059479	01	C04MAT09.MAT09P01
	2	C04MAT09.MAT09P02
	3	C04MAT09.MAT09P03
	4	C04MAT09.MAT09P04
	5	C04MAT09.MAT09P05
	6	C04MAT09.MAT09P06
	7	C04MAT09.MAT09P07
	8	C04MAT13.MAT13P01
	9	C04MAT13.MAT13P02
	10	C04MAT13.MAT13P03
	11	C04MAT13.MAT13P04
	12	C04MAT13.MAT13P05
	13	C04MAT13.MAT13P06
	14	C04MAT13.MAT13P07
	15	C04MAT13.MAT13P08
	16	C04MAT13.MAT13P09
	17	C04MAT17.MAT17P01
	18	C04MAT17.MAT17P02
	19	C04MAT17.MAT17P03
	20	C04MAT17.MAT17P04
	21	C34MAT17.MAT17P05
	22	C04MAT17.MAT17P06
	23	C04MAT17.MAT17P07
	24	C04MAT17.MAT17P08
	25	C04MAT17.MAT17P09
	26	C04MAT17.MAT17P10
	27	C04MAT17.MAT17P11
059476	01	Y07BAS13.BAS13P01
	02	Y07BAS13.BAS13P02
	03	Y07BAS17.BAS17P01
	04	Y07BAS17.BAS17P02
057280	01	Y09MAT09.MAT09P01
	2	Y09MAT09.MAT09P02
	3	Y09MAT09.MAT09P03
	4	Y09MAT09.MAT09P04
	5	Y09MAT09.MAT09P05
	6	Y09MAT09.MAT09P06
	7	Y09MAT09.MAT09P07
	8	Y09MAT13.MAT13P01
	9	Y09MAT13.MAT13P02
	10	Y09MAT13.MAT13P03
	11	Y09MAT13.MAT13P04
	12	Y09MAT13.MAT13P05
	13	Y09MAT13.MAT13P06
	14	Y09MAT13.MAT13P07
	15	Y09MAT13.MAT13P08
	16	Y09MAT13.MAT13P09
	17	Y09MAT13.MAT13P10
	18	Y09MAT13.MAT13P11

	19	Y09MAT17.MAT17P01
	20	Y09MAT17.MAT17P02
	21	Y09MAT17.MAT17P03
	22	Y09MAT17.MAT17P04
	23	Y09MAT17.MAT17P05
	24	Y09MAT17.MAT17P06
	25	Y09MAT17.MAT17P07
	26	Y09MAT17.MAT17P08
	27	Y09MAT17.MAT17P09
	28	Y09MAT17.MAT17P10
	29	Y09MAT17.MAT17P11
	30	Y09MAT17.MAT17P12
059641	01	Y02RDL09.RDL09P01
	2	Y02RDL09.RDL09P02
	3	Y02RDL09.RDL09P03
	4	Y02RDL09.RDL09P04
	5	Y02RDL09.RDL09P05
	6	Y02RDL09.RDL09P06
	7	Y02RDL09.RDL09P07
	8	Y02RDL09.RDL09P08
	9	Y02RDL09.RDL09P09
	10	Y02RDL09.RDL09P10
	11	Y02RDL09.RDL09P11
	12	Y02RDL09.RDL09P12
	13	Y02RDL13.RDL13P01
	14	Y02RDL13.RDL13P02
	15	Y02RDL13.RDL13P03
	16	Y02RDL13.RDL13P04
	17	Y02RDL13.RDL13P05
	18	Y02RDL13.RDL13P06
	19	Y02RDL13.RDL13P07
	20	Y02RDL13.RDL13P08
	21	Y02RDL13.RDL13P09
	22	Y02RDL13.RDL13P10
	23	Y02RDL13.RDL13P11
	24	Y02RDL13.RDL13P12
	25	Y02RDL13.RDL13P13
	26	Y02RDL13.RDL13P14
	27	Y02RDL13.RDL14P15
	28	Y02RDL17.RDL17P01
	29	Y02RDL17.RDL17P02
	30	Y02RDL17.RDL17P03
	31	Y02RDL17.RDL17P04
	32	Y02RDL17.RDL17P05
	33	Y02RDL18.RDL17P06
	34	Y02RDL17.RDL17P07
	35	Y02RDL17.RDL17P08
	36	Y02RDL17.RDL17P09
	37	Y02RDL17.RDL17P10
	38	Y02RDL17.RDL17P11
	39	Y02RDL17.RDL17P12
	40	Y02RDLAD.RDLADP01
	41	Y02RDLAD.RDLADP02

	42	Y02RDLAD.RDLADP03
	43	Y02RDLAD.RDLADP04
	44	Y02RDLAD.RDLADP05
	45	Y02RDLAD.RDLADP06
036251	01	Y06RED09.RED09P01
	2	Y06RED09.RED09P02
	3	Y06RED09.RED09P03
	4	Y06RED13.RED13P01
	5	Y06RED13.RED13P02
	6	Y06RED13.RED13P03
	7	Y06RED17.RED17P01
	8	Y06RED17.RED17P02
	9	Y06RED17.RED17P03
037029	01	Y11R0L09.RDL09P01
	2	Y11RDL09.RDL09P02
	3	Y11RDL09.RDL09P03
	4	Y11RDL09.RDL09P04
	5	Y11RDL09.RDL09P05
	6	Y11RDL09.RDL09P06
	7	Y11RDL09.RDL09P07
	8	Y11RDL09.RDL09P08
	9	Y11RDL09.RDL09P09
	10	Y11RDL09.RDL09P10
	11	Y11RDL09.RDL09P11
	12	Y11RDL13.RDL13P01
	13	Y11RDL13.RDL13P02
	14	Y11RDL13.RDL13P03
	15	Y11RDL13.RDL13P04
	16	Y11RDL13.RDL13P05
	17	Y11RDL13.RDL13P06
	18	Y11RDL13.RDL13P07
	19	Y11RDL13.RDL13P08
	20	Y11RDL13.RDL13P09
	21	Y11RDL13.RDL13P10
	22	Y11RDL13.RDL13P11
	23	Y11RDL13.RDL13P12
	24	Y11RDL13.RDL13P13
	25	Y11RDL13.RDL13P14
	26	Y11RDL13.RDL13P15
001700	01	Y11RDL17.RD117P01
	02	Y11RDL17.RDL17P02
	03	Y11RDL17.RDL17P03
	04	Y11RDL17.RDL17P04
	05	Y11RDL17.RDL17P05
	06	Y11RDL17.RDL17P06
	07	Y11RDL17.RDL17P07
	08	Y11RDL17.RDL17P08
	09	Y11RDL17.RDL17P09
	10	Y11RDL17.RDL17P10
	11	Y11RDL17.RDL17P11
	12	Y11RDL17.RDL17P12

	13	Y11RDL17.RDL17P13
	14	Y11RDL17.RDL17P14
057277	01	Y07CSS09.CSS09P01
	2	Y07CSS09.CSS09P02
	3	Y07CSS09.CSS09P03
	4	Y07CSS09.CSS09P04
	5	Y07CSS09.CSS09P05
	6	Y07CSS13.CSS13P03
	7	Y07CSS13.CSS13P04
	8	Y07CSS13.CSS13P05
	9	Y07CSS13.CSS13P06
	10	Y07CSS13.CSS13P07
	11	Y07CSS13.CSS13P08
	12	Y07CSS13.CSS13P09
	13	Y07CSS13.CSS13P10
	14	Y07CSS17.CSS17P03
	15	Y07CSS17.CSS17P04
	16	Y07CSS17.CSS17P05
	17	Y07CSS17.CSS17P06
	18	Y07CSS17.CSS17P07
	19	Y07CSS17.CSS17P08
	20	Y07CSS17.CSS17P09
	21	Y07CSS17.CSS17P10
	22	Y07CSS17.CSS17P11
042187	01	Y08SCI09.SCI09P01
	2	Y08SCI09.SCI09P02
	3	Y08SCI09.SCI09P03
	4	Y08SCI09.SCI09P04
	5	Y08SCI09.SCI09P05
	6	Y08SCI09.SCI09P06
	7	Y08SCI09.SCI09P07
	8	Y08SCI13.SCI13P01
	9	Y08SCI13.SCI13P02
	10	Y08SCI13.SCI13P03
	11	Y08SCI13.SCI13P04
	12	Y08SCI13.SCI13P05
	13	Y08SCI13.SCI13P06
	14	Y08SCI13.SCI13P07
	15	Y08SCI13.SCI13P08
	16	Y08SCI13.SCI13P09
	17	Y08SCI13.SCI13P10
	18	Y08SCI17.SCI17P01
	19	Y08SCI17.SCI17P02
	20	Y08SCI17.SCI17P03
	21	Y08SCI17.SCI17P04
	22	Y08SCI17.SCI17P05
	23	Y08SCI17.SCI17P06
	24	Y08SCI17.SCI17P07
	25	Y08SCI17.SCI17P08
	26	Y08SCI17.SCI17P09
	27	Y08SCI17.SCI17P10
	28	Y08SCI17.SCI17P11

043797	01	Y08ALLAD.HEAADP03
	2	Y08ALLAD.REDADP01
	3	Y08ALLAD.SCIADP02
	4	Y08ALLAD.SCIADP04

APPENDIX B: SASRUN

```
1.      @START:  VAR .UNDERLINE  STRING  INIT "=============================="
2.               VAR .SPACE      STRING  INIT " "
3.               VAR .OPTION     STRING
4.               VAR .LINEX      STRING
5.               VAR .JOBID      STRING
6.               VAR .DSN        STRING
7.               VAR .DSN1       STRING
8.               VAR .DSN2       STRING
9.               VAR .VOLSER#IN  STRING
10.              VAR .INSEQ#FMT  STRING
11.              VAR .INSEQ#DATA STRING
12.              VAR .INSEQ#SAS  STRING
13.              VAR .VOLSER#OUT STRING
14.              VAR .OUTSEQ#    STRING
15.              VAR .MAXSTEPS   STRING
16.              VAR .SAS#1ST    STRING
17.              VAR .VOLSER#WK  STRING  INIT "031287"
18.              VAR .X          INTEGER INIT  0
19.              VAR .Y          INTEGER INIT  0
20.
21.      @LOAD:  USE FROM &WPD1ZCS.SASLOG ON CAT
22.              TYPE .SPACE
23.              GO TO @SELECT
24.
25.      @LIST:  TYPE .UNDERLINE .UNDERLINE
26.              LIST FIRST/.999 COL=1/10 67/71 INDENT=21 UNN
27.              LIST 1.000/99.0 COL=1/10 67/71 INDENT=10
28.              TYPE .UNDERLINE .UNDERLINE
29.
30.      @SELECT: TYPE .SPACE
31.              TYPE "ENTER THE FILE-NAME OR 'LIST' OR 'END'"
32.              REQUEST .DSN DEBLANK PROMPT "ENTER: FILE-NAME---------->"
33.              IF(.DSN="END")THEN GO TO @END
34.              IF(.DSN="LIST")THEN GO TO @LIST
35.              LET .X=0
36.
37.      @SEARCH: LET .X=.X+1
38.              IF(.X>99)THEN GO TO @ERROR
39.              IF(LINENO(,.X)=-2)THEN GO TO @ERROR
40.              LET .LINEX=LINE(,.X)
41.              IF(.DSN=COL$(.LINEX,1,8))THEN GOTO @SETUP
42.              GO TO @SEARCH
43.
44.      @ERROR:  TYPE .SPACE
45.              TYPE "*** ERROR *** FILE-NAME (".DSN") NOT FOUND---REENTER"
46.              GO TO @LIST
47.
48.      @SETUP:  TYPE .UNDERLINE .UNDERLINE
49.              TYPE .SPACE
50.              L F/.999 !.X UNN
51.              TYPE .SPACE
52.              TYPE "PROCESSING THE ABOVE FILE (AND PARAMETERS)"
53.              TYPE .SPACE
54.              LET .DSN1        = SUBSTR(.LINEX,01,8)
55.              LET .DSN2        = SUBSTR(.LINEX,04,3)
56.              LET .JOBID       = SUBSTR(.LINEX,04,5)
57.              LET .VOLSER#IN   = SUBSTR(.LINEX,12,6)
58.              LET .INSEQ#FMT   = SUBSTR(.LINEX,22,3)
59.              LET .INSEQ#SAS   = SUBSTR(.LINEX,32,3)
60.              LET .INSEQ#DATA  = SUBSTR(.LINEX,42,3)
```

```
61.              LET .VOLSER#OUT = SUBSTR(.LINEX,52,6)
62.              LET .OUTSEQ#    = SUBSTR(.LINEX,62,3)
63.              LET .MAXSTEPS   = SUBSTR(.LINEX,68,2)
64.              LET .SAS#1ST    = SUBSTR(.LINEX,73,2)
65.
66.              IF(SUBSTR(.DSN1,7,2)="09")THEN LET .DSN2=.DSN2"N"
67.              IF(SUBSTR(.DSN1,7,2)="13")THEN LET .DSN2=.DSN2"T"
68.              IF(SUBSTR(.DSN1,7,2)="17")THEN LET .DSN2=.DSN2"S"
69.              IF(SUBSTR(.DSN1,7,2)="AD")THEN LET .DSN2=.DSN2"A"
70.              LET .Y=1000
71.
72.      @COPY:  LET .Y=.Y+1
73.              QUIET COPY 500/599.999 TO !.Y  BY .001
74.              LET .LINEX=SUBSTR(.Y,3,2)
75.              IF(.LINEX < .MAXSTEPS)THEN GO TO @COPY
76.              QUIET COPY 100/499.999 TO 1000 BY .001
77.              QUIET COPY 600/999.999 TO !(.Y+1) BY .001
78.
79.      @CHANGE: CH "*USER*" TO        !!INITIALS    IN 1000/LAST NOL
80.              CH "*JOB#*" TO        !!.JOBID      IN 1000/LAST NOL
81.              CH "*ACNT*" TO        !!ACCOUNT     IN 1000/LAST NOL
82.              CH "*DSN1*" TO        !!.DSN1       IN 1000/LAST NOL
83.              CH "*DSN2*" TO        !!.DSN2       IN 1000/LAST NOL
84.              CH "*DSN#*" TO COUNT  !!.SAS#1ST+1  IN 1000/LAST NOL
85.              CH "*VOL1*" TO        !!.VOLSER#IN  IN 1000/LAST NOL
86.              CH "*VOL2*" TO        !!.VOLSER#WK  IN 1000/LAST NOL
87.              CH "*VOL3*" TO        !!.VOLSER#OUT IN 1000/LAST NOL
88.              CH "##"     TO COUNT    "01"        IN 1000/LAST NOL
89.              CH "*SAS#*" TO COUNT  !!.SAS#1ST    IN 1000/LAST NOL
90.              CH "*LB#I*" TO COUNT  !!.INSEQ#DATA IN 1000/LAST NOL
91.              CH "*LB#F*" TO        !!.INSEQ#FMT  IN 1000/LAST NOL
92.              CH "*LB#S*" TO COUNT  !!.INSEQ#SAS  IN 1000/LAST NOL
93.              CH "*LB#O*" TO        !!.OUTSEQ#    IN 1000/LAST NOL
94.              CH "*DISP*" TO          "NEW,PASS"  IN 1001/1002 NOL
95.              CH "*DISP*" TO          "OLD,PASS"  IN 1002/!.Y  NOL
96.              CH "*DISP*" TO          "OLD,KEEP"  IN  !.Y/LAST NOL
97.
98.      @READY: DELETE F/999.999
99.              TYPE .UNDERLINE .UNDERLINE
100.             TYPE .SPACE
101.             NUM F/L BY 1 START 1
102.             LET .X=LAST
103.             TYPE .SPACE
104.             TYPE "CONTROL NOW RETURNED TO USER"
105.             TYPE "RUN STREAM NOW READY IN WORK-SPACE"
106.             TYPE "JOB-NAME="INITIALS .JOBID"; LINES=".X
107.             TYPE .SPACE
108.
109.     @END:   TYPE .UNDERLINE"END".UNDERLINE
```

APPENDIX C: SASLOG

```
  0.1    FILE      | INPUT    | .....INPUT-LABEL-SEQ..... | ..SAS OUTPUT. | MAX  | 1ST
  0.2    NAME      | VOLSER   | SAS FMT  | SASCARDS | DATA     | VOLSER   | SEQ  | STEP | SAS
  0.3    ========= | ======== | ======== | ======== | ======== | ======== | ==== | ==== | ====
    1.   C04MAT09  | 049121   | 017      | 010-016  | 034-040  | 006568   | 001  | 07   | 01
    2.   C04MAT13  | 049121   | 059      | 050-058  | 080-088  | 006568   | 002  | 09   | 01
    3.   C04MAT17  | 049121   | 111      | 100-110  | 136-146  | 006568   | 003  | 11   | 01
    4.   Y07BAS13  | 000977   | 007      | 005-006  | 014-015  | 044192   | 001  | 02   | 01
    5.   Y07BAS17  | 000977   | 020      | 018-019  | 027-028  | 044192   | 002  | 02   | 01
    6.   Y09MAT09  | 000322   | 017      | 010-016  | 034-040  | 043558   | 001  | 07   | 01
    7.   Y09MAT13  | 033714   | 025      | 014-024  | 050-060  | 043558   | 002  | 11   | 01
    8.   Y09MAT17  | 034558   | 027      | 015-026  | 054-065  | 043558   | 003  | 12   | 01
    9.   Y02RDL09  | 017741   | 027      | 015-026  | 054-065  | 026793   | 001  | 12   | 01
   10.   Y02RDL13  | 020361   | 033      | 018-032  | 066-080  | 026793   | 002  | 15   | 01
   11.   Y02RDL17  | 020528   | 027      | 015-026  | 054-065  | 026793   | 003  | 12   | 01
   12.   Y02RDLAD  | 020537   | 015      | 009-014  | 030-035  | 026793   | 004  | 06   | 01
   13.   Y06RED09  | 024135   | 009      | 006-008  | 018-020  | 026793   | 005  | 03   | 01
   14.   Y06RED13  | 028355   | 009      | 006-008  | 018-020  | 026793   | 006  | 03   | 01
   15.   Y06RED17  | 028670   | 009      | 006-008  | 018-020  | 026793   | 007  | 03   | 01
   16.   Y11RDL09  | 030155   | 025      | 014-024  | 050-060  | 043561   | 001  | 11   | 01
   17.   Y11RDL13  | 035882   | 033      | 018-032  | 066-080  | 043561   | 002  | 15   | 01
   18.   Y11RDL17  | 037811   | 031      | 017-030  | 062-075  | 043561   | 003  | 14   | 01
   19.   Y07CSS09  | 046920   | 013      | 008-012  | 026-030  | 022639   | 001  | 05   | 01
   20.   Y07CSS13  | 047592   | 019      | 011-018  | 038-045  | 022639   | 002  | 08   | 03
   21.   Y07CSS17  | 051477   | 021      | 012-020  | 042-050  | 022639   | 003  | 09   | 03
   22.   Y08SCI09  | 005130   | 017      | 010-016  | 034-040  | 020534   | 001  | 07   | 01
   23.   Y08SCI13  | 005538   | 023      | 013-022  | 046-055  | 020534   | 002  | 10   | 01
   24.   Y08SCI17  | 010614   | 025      | 014-024  | 050-060  | 020534   | 003  | 11   | 01
   25.   Y08ALLAD  | 011751   | 011      | 007-010  | 022-025  | 050715   | 001  | 04   | 01
 99.999  ==========================================================================================
  100.   //*USER**JOB#* JOB (*ACNT*,M964,C,1000,100),RUDNER
  101.   /*ACCESS WPD1MNM;WPD1ZCS;WPD1NIE
  102.   /*ROUTE PRINT R69
  103.   /*ROUTE XEQ 9T1600
  104.   /*ROUTE XEQ 9T6250
  105.   /*CNTL *USER**JOB#*
  106.   /*DISCOUNT
  107.   /*UNN
  108.   /*NOPURGE
  109.   /*MESSAGE *VOL1*,R
  110.   /*MESSAGE *VOL2*,W;*VOL3*,W
  111.   //PROCLIB    DD DSN=ZABCRUN.PROCLIB,DISP=SHR
  112.   //**************************************************************************
  200.   //STEP00    EXEC TAPECOPY,
  201.   //               INUNIT=9T1600,INPUT=*VOL1*,
  202.   //              OUTUNIT=9T6250,OUTPUT=*VOL2*
  203.   //**************************************************************************
  500.   //STEP##   EXEC SAS,REGION=1000K
  501.   //LIBRARY    DD UNIT=SYSDA,DISP=(,DELETE),SPACE=(CYL,(10,10,200))
  502.   //FT11F001   DD DUMMY,DCB=(RECFM=FBA,LRECL=133,BLKSIZE=133)
  503.   //SYSIN      DD DSN=*DSN1*.SASFMT,DISP=SHR,
  504.   //              UNIT=9T6250,VOL=SER=*VOL2*,LABEL=(*LB#F*,SL)
  505.   //           DD DSN=*DSN1*.SAS*SAS#*,DISP=SHR,
  506.   //              UNIT=9T6250,VOL=SER=*VOL2*,LABEL=(*LB#S*,SL)
  507.   //I          DD DSN=*DSN1*.*DSN2**DSN#*0,DISP=SHR,
  508.   //              UNIT=9T1600,VOL=SER=*VOL1*,LABEL=(*LB#I*,SL)
  509.   //O          DD DSN=*DSN1*.SAS,DISP=(*DISP*,DELETE),
  510.   //              UNIT=9T6250,VOL=SER=*VOL3*,LABEL=(*LB#O*,SL)
  511.   //SYSABEND   DD SYSOUT=A
  512.   //**************************************************************************
  600.   //STEP99    EXEC SAS,REGION=1000K
```

```
//LIBRARY   DD UNIT=SYSDA,DISP=(,DELETE),SPACE=(CYL,(10,10,200))
//FROM      DD DSN=&DSN1&.SAS,DISP=(OLD,KEEP),
//             UNIT=9T6250,VOL=SER=&VOL3&,LABEL=(&LB#0&,SL)
//SYSABEND  DD SYSOUT=A
//SYSIN     DD *
PROC CONTENTS DATA=FROM._ALL_ POSITION;
//*************************************************************************
```

APPENDIX D: SAMPLE JCL FOR SAS

```
1.    //ZCSSAS01 JOB (WPD1,M964,C,100,100),RUDNER
2.    /*ACCESS WPD1MNM;WPD1ZCS;WPD1NIE
3.    /*ROUTE PRINT R69
4.    /*ROUTE XEQ 9T6250
5.    /*CNTL ZCSMAT09
6.    /*UNN
7.    /*NOPURGE
8.    /*DISCOUNT
9.    /*MESSAGE 043558,R;
10.   //PROCLIB DD DSN=ZABCRUN.PROCLIB,DISP=SHR
11.   //STEP01 EXEC SAS
12.   //IN     DD  UNIT=9T6250,DISP=SHR,VOL=SER=043558,
13.   //       DSN=Y09MAT09.SAS,LABEL=(1,SL)
14.   //SYSIN DD *
15.   TITLE1 NATIONAL ASSESSMENT OF EDUCATION PROGRESS;
16.   TITLE2 SAS SAMPLE RUN;
17.   DATA TEST; SET IN.MAT09P01;
18.   PROC FORMAT;
19.      VALUE REGOBE
20.         1='1)NORTHEAST          NORTHEAST          '
21.         2='2)SOUHEAST           SOUTHEAST          '
22.         3='3)CENTRAL            CENTRAL            '
23.         4='4)WEST               WEST               ';
24.      VALUE TOC
25.         1='1)RURAL              EXTREME RURAL      '
26.         2='2)LOWMETRO           LOW METROPOLITAN   '
27.         3='3)HIMETRO            HIGH METROPOLITAN  '
28.         4='4)OTHER              OTHER              ';
29.      VALUE SEX
30.         1='1)MALE               MALE               '
31.         2='2)FEMALE             FEMALE             ';
32.      VALUE PARED
33.         1='1)NOTGHS             NOT HIGH SCHOOL GRAD'
34.         2='2)GRADHS             GRADUATED HIGH SCHL '
35.         3='3)POSTHS             POST HIGH SCHOOL    '
36.         4='4)UNKNOW             UNKNOWN             '
37.         9='9)MV                 MISSING VALUE       ';
38.      VALUE COLLRACC
39.         1='1)WHITE              WHITE              '
40.         2='2)BLACK              BLACK              '
41.         3='3)OTHER              OTHER              ';
42.   PROC FREQ;
43.       TABLES REGOBE SEX COLLRAC3 PARED TOC;
44.       FORMAT REGOBE REGOBE. SEX SEX. COLLRAC3 COLLRACC.
45.       PARED PARED. TOC TOC.;
46.   PROC UNIVARIATE PLOT FREQ NORMAL;
47.        VAR WEIGHT;
48.   OPTION OBS=50;
49.   PROC PRINT;
```

APPENDIX E: SAMPLE SAS REPORT

```
NOTE: THE JOB ZC9SAS01 HAS BEEN RUN UNDER RELEASE 79.5 OF SAS AT THE NATIONAL INSTITUTES OF HEALTH (00374).

**********************************************************************************************************
**********************************************************************************************************
**                                                                                                      **
**     NOTE: In n-way tables produced by PROC FREQ, missing data is used in calculating                 **
**           the statistics for all character variables.  SAS Institute is aware of this               **
**           problem and it will soon be corrected.                                                     **
**                                                                                                      **
**********************************************************************************************************
**********************************************************************************************************

NOTE: NO OPTIONS SPECIFIED.


1          TITLE1 NATIONAL ASSESSMENT OF EDUCATION PROGRESS;
2          TITLE2 SAS SAMPLE RUN;
3          DATA TEST; SET IN.MAT09P01;

NOTE: DATA SET WORK.TEST HAS 2495 OBSERVATIONS AND 170 VARIABLES. 27 OBS/TRK.
NOTE: THE DATA STATEMENT USED 1.07 SECONDS AND 196K.

4          PROC FORMAT;
5             VALUE REGOBE
6                 1='1)NORTHEAST          NORTHEAST          '
7                 2='2)SOUHEAST           SOUTHEAST          '
8                 3='3)CENTRAL            CENTRAL            '
9                 4='4)WEST               WEST               ';
10            VALUE TOC
11                1='1)RURAL              EXTREME RURAL      '
12                2='2)LOWMETRO           LOW METROPOLITAN   '
13                3='3)HIMETRO            HIGH METROPOLITAN  '
14                4='4)OTHER              OTHER              ';
15            VALUE SEX
16                1='1)MALE               MALE               '
17                2='2)FEMALE             FEMALE             ';
18            VALUE PARED
19                1='1)NOTGHS             NOT HIGH SCHOOL GRAD'
20                2='2)GRADHS             GRADUATED HIGH SCHL '
21                3='3)POSTHS             POST HIGH SCHOOL    '
22                4='4)UNKNOW             UNKNOWN             '
23                9='9)MV                 MISSING VALUE       ';
24            VALUE COLLRACC
25                1='1)WHITE              WHITE              '
26                2='2)BLACK              BLACK              '
27                3='3)OTHER              OTHER              ';

NOTE: THE PROCEDURE FORMAT USED 0.16 SECONDS AND 184K.

28         PROC FREQ;
29             TABLES REGOBE SEX COLLRAC3 PARED TOC;
30             FORMAT REGOBE REGOBE. SEX SEX. COLLRAC3 COLLRACC.
31             PARED PARED. TOC TOC.;

NOTE: SEE--------FOR TABLE LOCATION IN PRINT FILE
      PAGE     1  REGOBE
      PAGE     1  SEX
      PAGE     1  COLLRAC3
```

```
      PAGE    1  PARED
      PAGE    1  TOC
NOTE: THE PROCEDURE FREQ USED 0.75 SECONDS AND 196K AND PRINTED PAGE 1.

32          PROC UNIVARIATE PLOT FREQ NORMAL;
33               VAR WEIGHT;
34          OPTION OBS=50;

NOTE: THE PROCEDURE UNIVARIATE USED 0.76 SECONDS AND 196K AND PRINTED PAGES 2 TO 3.

35          PROC PRINT;

NOTE: THE PROCEDURE PRINT USED 1.14 SECONDS AND 244K AND PRINTED PAGES 4 TO 9.

NOTE: SAS USED 244K MEMORY.

NOTE: SAS INSTITUTE INC.
      SAS CIRCLE
      BOX 8000
      CARY, N.C. 27511
```

OBE REGION

REGOBE	FREQUENCY	CUM FREQ	PERCENT	CUM PERCENT
1)NORTHEAST	568	568	22.766	22.766
2)SOUHEAST	592	1160	23.727	46.493
3)CENTRAL	766	1926	30.701	77.194
4)WEST	569	2495	22.806	100.000

SEX

SEX	FREQUENCY	CUM FREQ	PERCENT	CUM PERCENT
1)MALE	1260	1260	50.501	50.501
2)FEMALE	1235	2495	49.499	100.000

COLAPSD RACE-ETHNCTY

COLLRAC3	FREQUENCY	CUM FREQ	PERCENT	CUM PERCENT
1)WHITE	1958	1958	78.477	78.477
2)BLACK	395	2353	15.832	94.309
3)OTHER	142	2495	5.691	100.000

PARENTS EDUCATION

PARED	FREQUENCY	CUM FREQ	PERCENT	CUM PERCENT
1)NOTGHS	203	203	8.136	8.136
2)GRADHS	598	801	23.968	32.104
3)POSTHS	809	1610	32.425	64.529
4)UNKNOW	885	2495	35.471	100.000

TYPE OF COMMUNITY

TOC	FREQUENCY	CUM FREQ	PERCENT	CUM PERCENT
1)RURAL	179	179	7.174	7.174
2)LOWMETRO	141	320	5.651	12.826
3)HIMETRO	295	615	11.824	24.649
4)OTHER	1880	2495	75.351	100.000

UNIVARIATE

VARIABLE=WEIGHTS RESPONDENT WEIGHT

MOMENTS

N	2495	SUM WGTS	2495
MEAN	1264.31	SUM	3154443
STD DEV	751.004	VARIANCE	564007
SKEWNESS	2.32344	KURTOSIS	13.268
USS	5394814254	CSS	1406632878
CV	59.4005	STD MEAN	15.0351
T:MEAN=0	84.0902	PROB>|T|	0.0001
D:NORMAL	0.0859457	PROB>D	<0.01

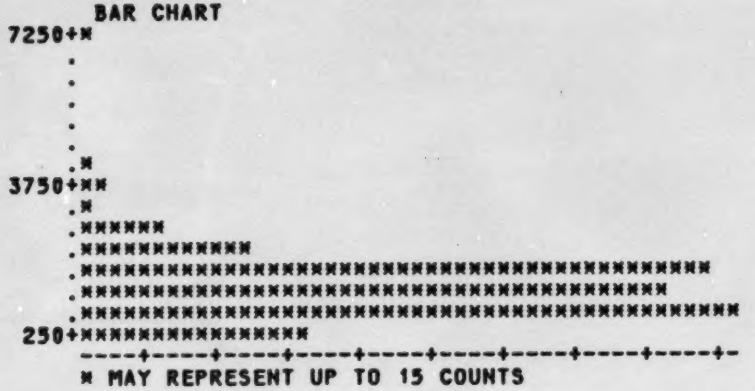
QUANTILES(DEF=4)

100% MAX	6975.77	99%	3883.11
75% Q3	1631.66	95%	2493.08
50% MED	1183.48	90%	2000.16
25% Q1	766.27	10%	451.96
0% MIN	135.83	5%	264.23
		1%	140.74
RANGE	6839.94		
Q3-Q1	865.39		
MODE	2018.75		

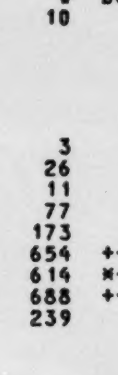
EXTREMES

LOWEST	HIGHEST
135.83	6975.77
135.83	6975.77
135.83	6975.77
135.83	6975.77
135.83	6975.77

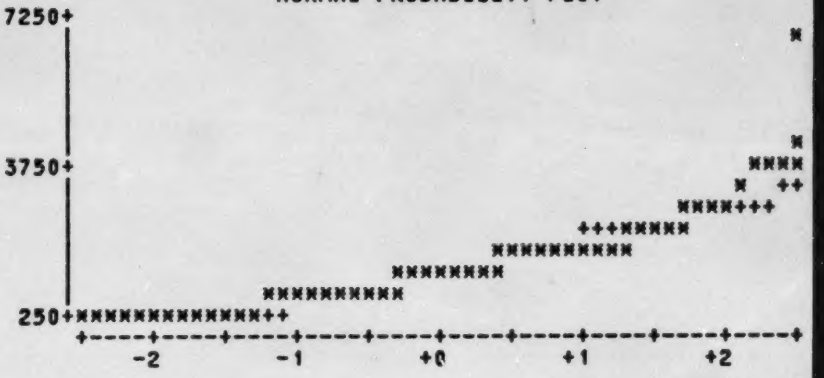
BAR CHART



BOXPLOT



NORMAL PROBABILITY PLOT



FREQUENCY TABLE

VALUE	COUNT	PERCENTS CELL	PERCENTS CUM	VALUE	COUNT	PERCENTS CELL	PERCENTS CUM	VALUE	COUNT	PERCENTS CELL	PERCENTS CUM	VALUE	COUNT	PERCENTS CELL	PERCENTS CUM
135.83	16	0.6	0.6	475.14	19	0.8	10.9	712.01	10	0.4	22.4	859.23	14	0.6	33.5
137.08	5	0.2	0.8	498.32	20	0.8	11.7	726.97	15	0.6	23.0	861.18	20	0.8	34.3
140.74	18	0.7	1.6	504.02	17	0.7	12.4	739.32	14	0.6	23.6	882.8	14	0.6	34.9
187.47	9	0.4	1.9	544.46	13	0.5	12.9	748.96	14	0.6	24.2	884.94	20	0.8	35.7
206.47	11	0.4	2.4	554.35	15	0.6	13.5	757.62	15	0.6	24.8	946.63	14	0.6	36.3
220.98	10	0.4	2.8	568.36	15	0.6	14.1	766.27	15	0.6	25.4	946.97	22	0.9	37.2
237.98	16	0.6	3.4	583.33	17	0.7	14.8	802.93	10	0.4	25.8	979.99	24	1.0	38.1
258.59	13	0.5	3.9	598.26	17	0.7	15.5	805.81	24	1.0	26.7	986.91	15	0.6	38.7
263.73	21	0.8	4.8	627.99	19	0.8	16.2	805.92	11	0.4	27.2	1011.9	14	0.6	39.3
264.23	15	0.6	5.4	631.03	19	0.8	17.0	807.63	17	0.7	27.9	1020.83	16	0.6	39.9
270.36	14	0.6	5.9	632.13	15	0.6	17.6	808.42	16	0.6	28.5	1029.68	11	0.4	40.4
274.79	15	0.6	6.5	635.08	16	0.6	18.2	810.97	13	0.5	29.0	1031.65	16	0.6	41.0
295.02	15	0.6	7.1	653.23	16	0.6	18.9	820.68	19	0.8	29.8	1048.15	11	0.4	41.4
377.99	16	0.6	7.8	655.08	17	0.7	19.6	833.49	16	0.6	30.4	1058.01	16	0.6	42.1
379.53	17	0.7	8.5	685.02	20	0.8	20.4	836.14	17	0.7	31.1	1074.25	10	0.4	42.5
418.63	11	0.4	8.9	698.51	13	0.5	20.9	839.49	17	0.7	31.8	1079.41	16	0.6	43.1
419.56	17	0.7	9.6	706.46	17	0.7	21.6	846.43	14	0.6	32.3	1085.53	21	0.8	44.0
451.96	14	0.6	10.1	707.93	12	0.5	22.0	851.97	16	0.6	33.0	1102.09	14	0.6	44.5

UNIVARIATE

VARIABLE=WEIGHTS RESPONDENT WEIGHT

FREQUENCY TABLE (CONT.)

VALUE	COUNT	PERCENTS CELL	PERCENTS CUM	VALUE	COUNT	PERCENTS CELL	PERCENTS CUM	VALUE	COUNT	PERCENTS CELL	PERCENTS CUM	VALUE	COUNT	PERCENTS CELL	PERCENTS CUM
1124.12	14	0.6	45.1	1367.04	21	0.8	59.3	1630.75	16	0.6	74.8	1983.33	12	0.5	89.1
1126.89	16	0.6	45.7	1372.46	19	0.8	60.1	1631.66	13	0.5	75.3	2000	14	0.6	89.7
1127.93	16	0.6	46.4	1376.07	15	0.6	60.7	1649.12	19	0.8	76.1	2000.16	15	0.6	90.3
1133.89	18	0.7	47.1	1376.66	14	0.6	61.2	1650.8	10	0.4	76.5	2006.07	18	0.7	91.0
1141.42	11	0.4	47.5	1425.33	13	0.5	61.8	1665.47	15	0.6	77.1	2018.75	25	1.0	92.0
1153.77	11	0.4	48.0	1454.3	20	0.8	62.6	1672.74	16	0.6	77.7	2032.83	16	0.6	92.6
1178	15	0.6	48.6	1459.32	14	0.6	63.1	1678.36	19	0.8	78.5	2116.84	15	0.6	93.2
1178.65	10	0.4	49.0	1470.67	16	0.6	63.8	1682.74	20	0.8	79.3	2121.17	13	0.5	93.7
1180.02	19	0.8	49.7	1486.54	20	0.8	64.6	1703.86	16	0.6	79.9	2222.05	21	0.8	94.6
1183.48	16	0.6	50.4	1493.32	16	0.6	65.2	1703.95	19	0.8	80.7	2374.36	8	0.3	94.9
1218.22	23	0.9	51.3	1513.12	18	0.7	65.9	1728.98	16	0.6	81.3	2493.08	10	0.4	95.3
1221.51	13	0.5	51.8	1516.85	14	0.6	66.5	1748.29	17	0.7	82.0	2562.09	15	0.6	95.9
1236.87	11	0.4	52.3	1526.04	17	0.7	67.2	1755.87	15	0.6	82.6	2628.8	15	0.6	96.5
1239.58	16	0.6	52.9	1546.88	16	0.6	67.8	1772.98	17	0.7	83.3	2775	20	0.8	97.3
1244.44	15	0.6	53.5	1555.56	21	0.8	68.7	1791.27	13	0.5	83.8	2873.05	15	0.6	97.9
1256.56	19	0.8	54.3	1555.96	16	0.6	69.3	1793.48	14	0.6	84.4	2916.67	2	0.1	98.0
1257.77	15	0.6	54.9	1562.1	14	0.6	69.9	1844.16	12	0.5	84.8	3181.82	11	0.4	98.4
1267.07	16	0.6	55.5	1571.97	22	0.9	70.7	1876.41	17	0.7	85.5	3571.53	1	0.0	98.5
1276.28	13	0.5	56.0	1575.37	15	0.6	71.3	1884.97	11	0.4	86.0	3735.92	10	0.4	98.9
1301.64	15	0.6	56.6	1581.36	18	0.7	72.1	1907.57	19	0.8	86.7	3883.11	15	0.6	99.5
1329.02	15	0.6	57.2	1596.75	20	0.8	72.9	1931.26	15	0.6	87.3	4163.76	3	0.1	99.6
1347.42	15	0.6	57.8	1608.46	16	0.6	73.5	1949.76	16	0.6	88.0	6975.77	10	0.4	100.0
1350.61	16	0.6	58.5	1626.25	16	0.6	74.1	1963.75	16	0.6	88.6				

OBS	AGE	COMSIZE	ELIGNCT	GRDHIGH	GRDLOWT	INELNCT	ISVARES	PACKAGE	PADAKIND	PADAGR01	PADAGR10	PADAGR11	PADAGR12	PADAGR02	PADAGR03	PADAGR04	PADAGR05	PADAGR06	PADAGR07	PADAGR08	PADAGR09	PCTSOC1	PCTSOC2	PCTSOC3	PCTPROF	PCTSKILD	PCTUNSKL	PCTFARM	PCTNOEMP	PCTWELFR	PCTASIAN	PCTBLACK	NOTHISP	PCTIND	PCTWHITE	QUALTIT1	NUMQT1	NUMRT1
1	1	1	19	4	0	0	2032	1	100	0	0	0	0	0	100	100	0	0	0	0	0	0	100	3	10	52	0	15	20	0	90	0	0	10	2	0	0
2	1	2	17	6	0	0	3102	1	95	96	0	0	0	96	96	96	96	96	0	0	0	0	0	100	18	70	10	0	1	1	4	7	2	1	86	1	30	30
3	1	1	20	8	0	0	3103	1	95	95	0	0	0	95	95	95	95	95	95	95	0	0	0	100	0	5	5	0	5	85	0	100	0	0	0	1	865	321
4	1	2	15	8	0	0	3101	1	100	98	0	0	0	98	98	100	100	98	98	99	0	0	0	100	90	4	4	0	1	1	5	2	1	0	92	1	12	8
5	1	4	19	6	0	0	3131	1	94	97	0	0	0	96	97	97	97	96	0	0	0	0	0	100	10	25	50	0	8	7	0	0	1	0	99	1	100	60
6	1	2	17	6	0	0	3102	1	95	96	0	0	0	96	96	96	96	96	0	0	0	0	0	100	18	70	10	0	1	1	4	7	2	1	86	1	30	30
7	1	2	12	6	0	0	4092	1	92	93	0	0	0	95	96	96	97	96	0	0	0	1	0	99	5	25	40	0	5	25	3	32	9	0	56	1	201	215
8	1	4	14	4	1	0	2092	1	0	98	0	0	0	98	98	98	0	0	0	0	40	60	0	1	8	10	1	20	60	0	80	0	0	20	1	385	385
9	1	2	20	6	0	0	3132	1	95	95	0	0	0	95	95	95	95	95	0	0	0	5	0	95	33	32	32	1	1	1	1	0	1	0	98	2	0	0
10	1	4	14	4	1	0	2092	1	0	98	0	0	0	98	98	98	0	0	0	0	40	60	0	1	8	10	1	20	60	0	80	0	0	20	1	385	385
11	1	2	21	4	0	0	3112	1	94	93	0	0	0	94	93	92	0	0	0	0	0	0	100	95	5	0	0	0	0	2	0	0	0	0	98	2	0	0
12	1	4	24	6	0	0	4022	1	94	97	0	0	0	96	97	97	96	98	0	0	10	90	0	20	40	10	20	0	10	0	0	1	1	0	98	1	115	115
13	1	1	15	6	0	0	2032	1	100	0	0	0	0	0	0	100	100	100	0	0	0	0	0	100	7	22	61	3	7	0	0	68	0	0	32	1	0	0
14	1	4	14	8	1	0	3061	1	0	99	0	0	0	99	99	99	99	99	99	99	100	0	0	0	4	29	27	40	0	0	0	0	0	0	100	1	28	28
15	1	2	20	6	0	0	3132	1	95	95	0	0	0	95	95	95	95	95	0	0	0	5	0	95	33	32	32	1	1	1	1	0	1	0	98	2	0	0
16	1	3	16	4	0	0	3061	1	98	98	0	0	0	97	98	96	0	0	0	0	0	0	0	100	45	31	21	1	2	0	0	0	0	0	100	1	35	7
17	1	4	19	6	0	0	3131	1	94	97	0	0	0	96	97	97	97	96	0	0	0	0	0	100	10	25	50	0	8	7	0	0	1	0	99	1	100	60
18	1	4	13	6	0	1	4013	1	98	96	0	0	0	96	96	96	94	95	0	0	0	0	0	100	5	10	50	5	25	5	3	4	4	1	88	1	160	160
19	1	4	24	6	0	0	4022	1	94	97	0	0	0	96	97	97	96	98	0	0	0	10	90	0	20	40	10	20	0	10	0	0	1	1	98	1	115	115

OBS	CENSDIV	REGOBE	SCHOOL	MBAWGT	SEX	SOC	PKGCOUNT	SPOPCT	PUBPRVSC	STANDBY	STOCC	TOC	WEIGHTS	BIRTHMO	BATCHSTK	BIRTHYR	FATHRSED	MOTHRSED	FCLGRAD	GRADE	REGNEWSP	REGMAG	MOR25BK	ENYCLPD	MCLGRAD	MODALGR	MMPWKIND	MMPWGR1	MMPWGR2	MMPWGR3	MMPWGR4	MMPWGR5	MMPWGR6	MINSTCHG	COMPSKIL	PKGCONCD	FULLRACE	SCID	SCPSU
1	6	2	375	67.00	1	2	19	108	1	0	4	4	475.14	1	8760002	68	7	7	1	3	1	1	2	1	1	2	5	1	1	7	7	1	1	2	2	1	2	1	484808
2	3	3	610	61.45	3	1	17	73	1	0	5	4	379.53	2	12410007	68	5	5	1	4	2	1	1	2	1	1	4	5	5	7	7	7	7	3	2	1	2	2	379297
3	3	3	921	140.47	1	1	20	89	1	0	2	2	884.94	6	9470025	68	7	7	2	98	2	2	1	7	2	2	4	4	5	6	6	6	6	3	3	1	2	3	379297
4	3	3	479	43.10	3	1	15	44	2	0	3	3	295.02	1	8760006	68	7	5	7	4	1	7	1	1	1	1	1	6	6	6	6	6	6	3	2	1	1	4	379297
5	4	3	982	243.42	3	1	19	148	1	0	7	4	1703.95	6	8760013	68	3	4	1	4	1	1	1	1	1	1	4	6	6	8	8	8	8	3	3	2	1	5	522297
6	3	3	610	61.45	3	1	17	73	1	0	5	4	379.53	9	12410007	68	5	5	1	4	1	1	1	1	1	1	4	5	5	7	7	7	7	3	2	1	1	6	379297
7	9	4	394	248.78	3	1	12	51	1	0	5	4	1983.33	7	8760001	68	4	4	7	4	1	1	1	1	7	1	6	6	6	6	7	7	7	3	3	1	2	7	386454
8	6	2	542	62.34	1	5	14	107	1	0	1	1	451.96	9	11260011	68	4	7	7	4	2	2	1	2	7	1	1	7	7	8	8	1	1	1	1	1	2	8	977308
9	4	3	821	422.86	3	1	20	111	1	0	5	4	2775.00	3	8760012	68	5	4	1	4	2	7	1	1	2	1	5	5	7	8	8	8	8	3	3	1	1	9	522297
10	6	2	542	62.34	1	5	14	107	1	0	1	1	451.96	9	11260011	68	1	1	7	3	1	1	1	2	7	2	1	7	7	8	8	1	1	1	1	1	2	10	977308
11	3	3	288	210.31	3	1	21	73	1	0	3	3	1367.04	12	8760003	68	5	5	1	3	1	1	1	2	1	2	4	6	7	7	8	88	88	3	2	1	1	11	379256
12	8	4	602	144.27	3	4	24	84	1	0	7	4	979.99	2	12410004	68	1	4	2	4	1	1	1	1	2	1	4	7	6	7	8	7	7	2	2	1	1	12	178218
13	6	2	385	189.86	1	2	15	54	1	0	4	4	1329.02	6	12150032	68	4	4	1	4	1	2	1	1	1	1	5	1	1	1	8	8	8	2	2	1	2	13	484808
14	3	3	517	105.62	3	4	14	15	2	0	1	1	739.32	3	11260005	68	4	4	2	4	1	2	1	1	2	1	1	6	6	6	6	6	6	3	2	1	1	14	176597
15	4	3	821	422.86	3	1	20	111	1	0	5	4	2775.00	7	8760012	68	7	5	1	3	1	1	1	1	1	2	5	5	7	8	8	8	8	3	3	1	1	15	522297
16	3	3	417	206.87	3	4	16	84	2	0	6	4	1493.32	12	11260007	68	7	7	7	3	1	1	1	2	7	2	4	5	5	5	6	6	6	3	2	1	1	16	176597
17	4	3	982	243.42	3	1	19	148	1	0	7	4	1703.95	12	8760013	68	4	4	2	3	1	2	1	1	2	1	4	6	6	8	8	8	8	3	3	2	1	17	522297
18	9	4	384	46.18	3	4	13	67	1	0	7	4	258.59	5	11260004	68	5	5	7	4	1	2	1	1	1	1	3	4	4	5	6	6	6	3	2	1	1	18	173718
19	8	4	602	144.27	3	4	24	84	1	0	7	4	979.99	8	12410004	68	5	5	1	4	1	2	1	1	1	1	4	7	6	7	8	7	7	2	2	1	1	19	178218

OBS	SCSCL	SEX	COLGRD	HOMENV	PARED	COLLACCE	COLLACCS	N01001AA1	N01001AA2	N01001AA3	N01001BB1	N01001BB2	N01001BB3	N01001CC1	N01001CC2	N01001CC3	N01001DD1	N01001DD2	N01001DD3	N01001EE1	N01001EE2	N01001EE3	N01002A	N01002B	N01003AA	N01004AA	N01004AB	N01005AA	N01006A	N01006B	N01006C	N01007AA	N01008AA	N01008B	N01008C	N01008D	N01008E	N01008F	N01009A	N01010AA	N01011AA	N01012AA	N01012B	N01013AA	N01013AB	N01013AC	N01014AA	N01014AB	N01014AC	N01014AD	N01014AE	N01015AA	N01015AB	N01015AC
1	71	2	2	2	4	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	8	1	4	3	8	1	1	3	21	23	2	5	11	22	11	11	23	20	3	11	1	20	20	4	3	22	21	20
2	6	1	3	1	3	2	2	1	1	1	1	2	3	2	2	1	2	2	1	1	2	2	3	1	2	5	4	3	22	88	1	1	11	11	11	11	11	11	1	11	2	11	11	4	4	11	20	11
3	71	1	5	1	4	2	2	1	1	1	1	3	2	3	2	1	2	2	1	1	3	3	2	2	3	5	4	3	21	24	2	1	11	11	11	11	11	11	2	20	2	11	11	4	4	11	20	88
4	7	2	3	3	3	1	1	1	1	1	1	3	1	1	1	2	3	2	1	1	1	2	3	1	4	5	4	3	11	23	1	1	11	11	11	11	11	20	3	20	2	11	20	4	2	11	20	21
5	3	1	3	3	3	2	1	1	2	1	1	1	1	1	2	1	1	2	1	1	1	1	1	3	2	2	5	4	3	11	11	2	3	11	11	11	11	11	11	3	11	2	11	11	3	4	11	88	11
6	6	2	3	3	3	1	1	1	2	1	2	1	1	1	2	1	1	1	1	2	2	1	1	3	2	2	5	4	3	22	22	3	3	11	11	11	11	11	11	2	20	2	11	20	4	4	11	88	88
7	19	2	3	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	4	2	5	4	3	22	23	2	1	11	11	11	11	11	11	1	11	2	11	11	4	2	11	24	21
8	71	1	3	1	2	2	2	1	1	1	2	1	8	1	1	1	1	2	1	1	1	1	3	2	4	3	5	4	4	11	23	8	1	11	11	11	20	88	88	2	20	2	20	20	4	4	11	11	11
9	71	1	3	1	3	1	1	1	1	1	2	1	2	2	3	2	2	2	1	1	1	1	3	2	2	5	4	4	21	77	2	3	23	11	11	11	11	11	11	2	11	2	11	20	4	4	11	77	11
10	71	2	2	2	1	2	2	1	2	1	1	1	3	3	2	3	2	1	1	1	2	1	3	2	1	4	5	4	1	21	88	2	1	11	11	11	22	11	11	11	3	77	2	20	20	4	3	11	20	20
11	6	2	2	2	3	1	1	1	1	1	1	1	1	2	2	1	1	2	1	1	2	2	1	3	2	2	5	4	3	11	24	2	3	11	11	11	11	11	11	2	11	2	11	11	4	4	11	11	11
12	7	1	3	3	2	2	1	1	1	1	1	1	1	3	1	1	1	1	1	1	2	1	3	2	2	5	4	3	11	22	2	1	11	20	11	11	11	11	3	11	1	11	11	4	4	11	20	11
13	3	1	3	2	2	2	2	1	2	1	1	1	1	3	2	1	1	2	1	1	1	1	3	2	2	5	4	3	22	23	2	3	11	11	11	11	11	11	4	11	2	11	11	4	3	11	11	21
14	98	2	3	2	2	1	1	1	1	1	1	2	1	2	3	1	1	1	1	1	2	1	3	1	2	5	4	3	20	11	3	1	11	11	11	11	11	11	2	11	1	11	11	4	3	11	21	11
15	71	2	2	3	3	1	1	1	2	1	1	2	1	2	1	2	2	1	1	1	1	1	2	3	7	2	7	4	3	21	11	2	7	11	11	11	11	11	11	7	11	2	77	11	4	4	11	11	11
16	59	2	2	2	4	1	1	2	1	1	2	2	1	2	2	2	1	1	1	1	1	2	3	7	2	2	7	4	3	21	11	2	7	11	11	11	11	11	11	7	11	2	77	11	4	4	11	11	11
17	3	2	2	2	1	2	1	1	2	1	2	1	2	2	1	2	2	1	3	2	3	2	1	3	2	5	4	4	22	88	7	2	11	11	88	22	88	88	2	11	2	11	88	4	3	88	24	88
18	19	2	3	2	3	1	1	1	1	1	1	1	1	1	2	2	1	2	2	1	3	1	7	1	1	5	4	2	22	20	1	1	11	11	11	11	11	11	2	11	1	11	20	4	3	11	11	21
19	7	1	3	2	3	1	1	2	1	1	2	2	1	2	2	1	1	1	1	2	1	1	7	7	4	5	4	7	22	11	1	5	11	11	11	11	11	11	4	11	2	11	20	4	4	11	24	22

OBS	N01015AD	N01015AE	N01015AF	N01015AG	N01016AA	N01017AA	N01017BB	N01018AA	N01019AA	N01020AA	N01020BB	N01021AA	N01022AA	N01023AA	N01024AA	N01025AA	N01025BB	N01025CC	N01026AA	N01027AA	N01028AA	N01029AA	N01029BB	N01030AA	N01030BB	N01031AA	N01031BB	N01031CC	N01032AA	N01033AA	N01034AA	N01034BB	N01034CC	N01035AA	N01036AA	N01037AA	N01038AA	N01039AA	N01040AA	N01041AA	N01041AB	N01041AC	N01041AD	N01041AE	N01041BB	N01041CC	N01041DD	N01041EE	N01041II
1	11	20	20	21	5	4	4	1	3	20	20	6	5	1	20	20	20	20	12	2	2	8	8	3	3	3	7	1	22	22	4	5	7	20	20	20	20	3	2	7	2	2	1	2	3
2	11	20	88	11	4	4	3	1	2	20	23	6	4	3	20	11	88	88	11	2	2	2	1	2	1	5	5	5	88	11	4	5	8	88	11	11	20	4	4	2	3	2	1	2	3
3	20	11	11	11	4	4	4	1	1	11	20	6	5	1	21	26	20	20	22	3	2	2	1	2	1	5	7	7	20	22	4	7	2	25	20	11	11	2	3	2	2	2	2	2	3
4	11	21	11	22	4	4	4	1	2	11	24	6	3	4	20	20	26	26	12	1	2	7	1	1	2	1	1	1	22	23	4	1	5	20	20	20	20	2	2	1	2	2	2	2	3
5	11	88	11	11	4	4	4	1	2	11	11	6	5	2	11	11	23	22	11	2	2	2	2	2	3	2	2	4	11	11	4	5	2	11	11	11	11	.	.	.	.	.	.	.	3
6	11	20	88	11	4	4	4	1	2	11	20	6	3	1	11	77	77	77	23	1	1	2	1	2	1	4	2	2	22	22	7	1	5	11	77	11	11	1	1	1	2	8	1	2	3
7	11	20	11	11	4	4	4	1	2	11	20	6	5	2	22	25	26	26	21	1	1	2	1	2	1	6	2	5	22	22	4	2	1	11	20	11	11	2	1	1	1	1	1	1	3
8	20	20	20	20	4	3	2	1	2	20	20	6	4	2	20	20	24	26	22	1	1	3	3	2	1	6	2	6	22	22	1	2	1	20	20	20	20	3	4	2	3	3	2	2	3
9	11	77	11	11	4	4	2	1	2	11	20	6	5	2	20	23	23	22	23	1	1	2	1	3	3	2	2	4	22	22	4	2	5	24	20	11	11	4	1	1	2	1	1	7	3
10	11	20	21	21	1	4	4	1	2	20	24	6	2	4	20	20	20	26	12	1	3	4	2	3	3	2	1	4	22	22	7	5	4	20	20	11	20	4	3	1	7	3	2	2	3
11	11	11	11	11	4	4	4	2	2	11	20	6	5	1	21	11	23	22	24	2	1	2	1	2	1	6	4	5	22	23	4	2	5	77	11	11	11	2	1	1	2	2	1	2	3
12	11	25	11	11	4	4	2	1	2	11	11	6	5	1	11	11	23	22	23	1	2	2	2	3	1	3	2	5	22	11	4	2	5	25	24	11	11	2	1	1	1	1	1	2	3
13	11	11	11	11	4	4	4	1	2	11	88	6	4	2	22	11	23	22	12	1	2	1	2	2	1	4	2	5	88	22	1	2	5	20	20	11	88	1	4	2	3	1	1	2	3
14	11	11	11	11	4	4	2	1	2	20	20	6	1	2	20	11	23	22	21	1	2	1	1	2	1	5	1	5	23	20	4	5	1	20	20	11	11	1	3	1	2	3	2	2	3
15	11	20	11	11	4	4	2	1	2	77	77	6	3	2	22	25	20	77	23	2	2	2	1	2	2	5	2	3	23	22	4	5	1	11	20	11	20	4	1	1	2	3	1	2	3
16	11	77	11	11	4	4	4	1	2	20	77	6	4	2	77	77	77	77	21	7	7	2	2	2	1	7	7	1	77	77	7	7	7	11	77	11	77	2	7	2	3	7	1	7	3
17	11	20	88	88	4	4	3	1	2	11	20	6	2	2	20	20	20	27	23	1	1	2	1	3	2	5	7	5	88	22	4	2	5	20	24	11	88	.	.	.	.	.	.	.	3
18	11	11	11	22	7	4	4	1	1	2	20	6	4	4	22	11	20	20	11	1	1	2	1	2	1	7	2	5	22	22	4	7	2	24	20	11	20	1	1	1	7	1	1	2	3
19	11	20	11	11	4	4	1	1	2	11	11	6	5	4	22	26	20	20	12	8	2	2	1	2	1	6	4	6	22	22	4	2	5	77	11	11	11	2	4	1	1	3	2	2	3

OBS	AGE	COMSIZE	ELIGNCT	GRDHIGH	GRDLOW	INELNCT	ISVARES	PACKAGE	PADAKIND	PADAGR01	PADAGR10	PADAGR11	PADAGR12	PADAGR02	PADAGR03	PADAGR04	PADAGR05	PADAGR06	PADAGR07	PADAGR08	PADAGR09	PCTSOC1	PCTSOC2	PCTSOC3	PCTPROF	PCTSKILD	PCTUNSKL	PCTFARM	PCTNOEMP	PCTWELFR	PCTASIAN	PCTBLACK	PCTHISP	PCTIND	PCTWHITE	QUALTIT1
20	1	4	15	4	0	0	3062	1	95	97	0	0	0	98	96	99	0	0	0	0	0	70	30	0	30	25	30	5	5	5	1	2	0	0	97	1
21	1	4	25	8	0	0	3062	1	100	98	0	0	0	100	100	100	97	98	98	98	0	4	79	17	2	12	85	0	0	1	0	4	0	0	96	1
22	1	4	15	4	0	0	3062	1	95	97	0	0	0	98	96	99	0	0	0	0	0	70	30	0	30	25	30	5	5	5	1	2	0	0	97	1
23	1	4	10	3	0	0	4013	1	93	95	0	0	0	97	98	0	0	0	0	0	0	10	0	90	15	20	30	20	10	5	1	1	28	0	70	1
24	1	4	24	6	0	0	4022	1	94	97	0	0	0	96	97	97	96	98	0	0	0	10	90	0	20	40	10	20	0	10	0	0	1	0	98	1
25	1	4	19	6	0	0	3071	1	98	98	0	0	0	98	98	97	97	97	0	0	0	1	99	0	10	10	60	0	10	10	0	0	1	0	99	1
26	1	4	25	8	0	0	3062	1	100	98	0	0	0	100	100	100	97	98	98	98	0	4	79	17	2	12	85	0	0	1	0	4	0	0	96	1
27	1	1	20	8	0	0	3103	1	95	95	0	0	0	95	95	95	95	95	95	95	0	0	0	100	0	5	5	0	5	85	0	100	0	0	0	1
28	1	1	19	4	0	0	2032	1	100	0	0	0	0	0	100	100	0	0	0	0	0	0	0	100	3	10	52	0	15	20	0	90	0	0	10	2
29	1	4	11	8	1	0	2072	1	0	96	0	0	0	96	96	93	96	96	94	95	0	100	0	0	1	50	40	8	0	1	0	0	0	10	90	1
30	1	2	15	6	0	0	4041	1	97	98	0	0	0	97	97	99	98	98	0	0	0	0	75	25	15	30	35	0	10	10	0	26	5	0	69	1
31	1	3	13	6	0	0	4051	1	95	97	0	0	0	97	95	96	97	95	0	0	0	0	0	100	10	25	25	5	10	25	2	30	22	0	46	1
32	1	4	19	5	0	0	1032	1	95	95	0	0	0	95	95	96	95	0	0	0	0	0	0	100	25	50	20	0	3	2	0	2	0	0	98	1
33	1	3	13	6	0	0	4051	1	95	97	0	0	0	97	95	96	97	95	0	0	0	0	0	100	10	25	25	5	10	25	2	30	22	0	46	1
34	1	4	11	12	0	0	2071	1	96	95	96	97	95	98	98	96	99	98	96	97	98	100	0	0	5	20	15	10	10	40	0	16	1	0	83	1
35	1	1	15	8	0	0	2022	1	97	97	0	0	0	97	97	96	95	96	97	95	0	0	0	100	25	36	21	0	16	2	0	93	2	0	5	1
36	1	1	10	5	0	0	4041	1	93	93	0	0	0	0	93	92	93	0	0	0	0	0	0	100	25	40	20	0	5	10	0	35	5	0	60	2
37	1	2	17	8	0	0	3141	1	98	98	0	0	0	98	99	99	98	99	97	97	0	0	0	100	20	30	45	0	4	1	1	0	2	1	96	2
38	1	4	18	5	1	0	2072	1	0	98	0	0	0	97	96	96	96	0	0	0	0	35	0	65	10	15	55	5	5	10	0	5	0	1	95	1

OBS	NUMQT1	NUMRT1	CENSDIV	REGOBE	SCENROL	MBAWGT	SEX	SOC	PKGCOUNT	SPOPCT	PUBPRVSC	STANDBY	STOCC	TOC	WEIGHTS	BIRTHMO	BATCHSTK	BIRTHYR	FATHRSED	MOTHRSED	FCLGRAD	GRADE	REGNEWSP	REGMAG	MORE25BK	ENCYCLPD	MCLGRAD	MODALGR	MMPWKIND	MMPWGR1	MMPWGR2	MMPWGR3	MMPWGR4	MMPWGR5	MMPWGR6	MINSTCHG	COMPSKIL	PKGCONCD	FULLRACE	SCID
20	100	100	3	3	900	81.92	3	4	15	136	1	0	7	4	554.35	11	12770007	68	7	7	1	3	1	1	1	1	1	2	88	6	5	5	6	1	1	3	3	1	1	20
21	20	20	3	3	288	288.39	3	4	25	38	2	0	7	4	2018.75	8	8760010	68	4	7	2	4	1	1	1	1	1	1	5	5	5	6	7	1	1	3	3	1	1	21
22	100	100	3	3	900	81.92	3	4	15	136	1	0	7	4	554.35	8	12770007	68	4	4	1	4	1	1	1	1	2	1	88	6	5	5	6	1	1	3	3	1	1	22
23	150	100	9	4	475	609.95	3	4	10	38	1	0	7	4	3735.92	12	12150035	68	4	4	1	3	1	7	1	1	7	2	4	7	7	7	1	1	1	3	2	1	1	23
24	115	115	8	4	602	144.27	3	4	24	84	1	0	7	4	979.99	12	12410004	68	5	3	1	3	2	1	1	1	2	2	4	7	6	7	8	7	7	2	2	1	1	24
25	75	60	3	3	287	191.04	3	4	19	42	1	0	7	4	1372.46	12	12410001	68	7	7	7	3	1	1	1	1	2	2	6	6	6	88	7	7	7	3	3	1	1	25
26	20	20	3	3	288	288.39	3	4	25	38	2	0	7	4	2018.75	5	8760010	68	5	4	2	4	1	1	1	2	2	1	5	5	5	6	7	7	7	3	3	1	1	26
27	865	321	3	3	921	140.47	1	1	20	89	1	0	2	2	884.94	11	9470025	68	7	7	7	98	7	2	7	7	7	2	4	4	5	6	6	6	1	3	3	1	2	27
28	0	0	6	2	375	67.00	1	2	19	108	1	0	4	4	475.14	11	8760002	68	4	4	7	3	1	2	1	7	7	2	5	1	1	7	7	1	8	2	2	1	2	28
29	75	60	6	2	198	176.70	3	4	11	24	1	0	7	4	1236.87	10	8760018	68	1	2	7	3	1	2	1	2	1	2	1	6	6	6	8	7	7	2	2	1	1	29
30	90	85	7	4	630	36.93	3	2	15	91	1	0	5	4	264.23	10	11260012	68	7	7	7	4	2	2	1	7	7	1	5	5	7	7	7	3	3	2	2	1	1	30
31	150	100	7	4	585	196.08	3	3	13	81	1	0	6	4	1425.33	4	8760018	68	4	4	2	4	1	2	1	1	2	1	3	3	3	7	3	7	3	3	2	1	1	31
32	60	40	1	1	741	181.42	3	3	19	137	1	0	7	4	1256.56	12	7210001	68	5	5	7	3	1	1	1	7	1	2	4	5	6	7	7	3	7	4	2	2	1	32
33	150	100	7	4	585	196.08	3	3	13	81	1	0	6	4	1425.33	9	8760018	68	4	4	2	3	2	2	1	1	2	1	3	3	7	7	3	7	7	4	2	2	1	33
34	160	160	7	2	714	163.06	3	4	11	26	1	0	7	4	1141.42	10	9470027	68	7	4	7	4	1	1	2	1	2	1	6	7	7	7	7	7	8	2	2	1	1	34
35	50	0	7	2	250	177.78	2	2	15	22	2	0	4	4	1244.44	8	8760011	68	7	7	1	4	1	2	1	1	2	1	6	3	8	9	7	7	7	1	3	2	1	35
36	0	0	7	4	592	108.50	1	2	10	126	1	0	4	4	802.93	6	11260012	68	5	5	1	4	1	1	1	1	1	1	3	4	6	5	7	7	7	1	3	2	1	36
37	0	0	3	3	677	66.45	1	1	17	70	2	0	5	4	419.56	3	11260013	68	5	4	1	4	1	1	1	1	2	1	4	1	5	6	7	6	7	1	3	4	2	37
38	135	80	6	2	529	230.17	3	4	18	94	1	0	7	4	1581.36	8	8760013	68	2	4	2	4	2	7	1	1	2	1	1	5	6	7	7	7	7	1	2	2	1	38

OBS	SCPSU	SCSCL	SEX	COLLGRD	HOMEENV	PARED	COLLRACE	COLLRACE3	N001001A1	N001001A2	N001001A3	N001001B1	N001001B2	N001001B3	N001001C1	N001001C2	N001001C3	N001001D1	N001001D2	N001001D3	N001001E1	N001001E2	N001001E3	N001002AA	N001002AB	N001003AA	N001004AA	N001004AB	N001005AA	N001006AA	N001006BA	N001006BB	N001006CA	N001007AA	N001008AA	N001008BB	N001008CB	N001008DB	N001008EB	N001008FB	N001009AA	N001010AA	N001011AA	N001012AA	N001012BA	N001013AA	N001014AA	N001014BA	N001015AA
20	855697	71	1	2	3	4	1	1	2	1	1	2	1	1	3	2	1	3	2	1	1	1	2	3	2	3	5	4	3	88	24	2	1	11	11	11	11	11	11	3	11	2	11	88	4	3	11
21	855697	10	1	3	2	2	1	1	1	2	1	1	2	1	2	1	2	2	2	1	1	3	1	2	3	1	2	5	4	4	88	22	2	3	11	11	11	11	11	11	8	11	2	11	11	4	4	11
22	855697	71	2	3	3	2	1	1	1	2	1	1	2	1	1	1	2	1	1	2	1	1	3	1	1	3	1	1	5	4	3	22	11	2	3	11	11	11	11	11	11	3	11	2	11	20	4	4	11
23	173718	3	2	2	2	2	1	1	2	1	1	1	1	1	2	1	2	2	1	1	2	1	1	3	1	1	5	4	3	20	11	2	4	11	11	11	11	11	11	20	7	11	2	20	77	4	5	77
24	178218	7	2	2	2	3	1	1	3	3	1	1	1	1	3	2	1	1	1	1	3	2	1	7	7	2	5	4	1	21	24	2	7	20	22	22	20	11	20	7	11	4	21	22	4	7	11
25	373497	71	1	2	2	4	1	1	3	1	1	1	1	1	2	2	1	2	1	1	1	1	1	2	5	1	5	4	3	21	20	1	1	11	24	11	11	24	11	4	20	4	11	88	4	2	11
26	855697	10	2	3	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	2	2	5	4	3	11	20	3	3	11	11	11	11	11	11	3	11	2	11	11	3	4	11
27	379297	71	2	5	1	4	2	2	3	3	2	3	2	1	2	3	1	3	2	1	2	2	2	7	7	7	5	4	3	21	20	7	7	11	11	11	11	11	11	23	2	11	1	20	11	4	3	11
28	484808	71	2	2	1	2	2	2	1	1	1	1	1	1	2	1	1	2	1	1	1	1	1	2	2	2	5	4	3	21	20	2	1	11	11	11	11	11	11	3	20	2	11	20	4	2	23
29	380908	3	1	2	1	1	1	1	3	3	1	1	1	1	1	1	1	3	3	1	1	1	1	2	2	2	5	4	3	21	24	2	1	11	11	11	11	20	11	11	2	20	2	11	20	4	2	11
30	488918	71	2	3	1	4	1	1	1	1	2	1	1	2	1	1	2	2	1	2	1	1	2	1	7	4	5	4	3	22	77	7	7	11	11	11	11	11	11	7	20	2	11	11	4	5	11
31	485218	51	1	3	2	2	1	1	2	1	1	3	3	1	2	3	1	2	2	2	3	3	2	1	2	4	5	4	3	22	11	4	1	21	21	21	21	21	21	8	77	2	11	20	4	8	11
32	975934	71	1	2	2	3	1	1	2	1	2	2	1	2	2	1	2	2	1	1	1	1	2	3	2	2	5	4	3	21	11	2	3	11	11	11	11	11	11	2	11	2	11	11	3	4	11
33	485218	51	1	2	1	2	1	1	2	2	1	2	3	1	2	1	1	3	2	1	1	2	1	1	1	5	4	5	4	3	21	24	2	5	24	22	22	22	24	20	3	11	2	20	20	4	4	11
34	970608	19	1	3	3	2	1	1	2	1	1	1	1	1	1	1	1	2	1	1	1	1	1	3	2	2	5	4	3	11	88	2	1	11	11	11	11	11	11	3	11	2	11	20	4	4	11
35	974608	6	2	3	1	4	2	2	1	1	2	8	1	1	2	8	1	2	2	1	1	1	1	1	4	4	2	1	2	3	21	88	4	2	11	22	11	20	88	88	1	11	2	11	88	3	3	11
36	488918	10	1	3	3	3	1	1	2	1	1	1	2	1	1	2	2	2	1	1	1	1	2	2	1	4	5	4	3	21	23	4	1	11	23	24	20	22	20	3	20	2	20	20	4	2	11
37	857097	5	1	3	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	2	2	5	4	3	20	11	2	3	11	11	11	11	11	11	4	11	2	11	11	3	4	11
38	380908	6	2	3	1	2	1	1	2	1	1	3	3	1	1	2	2	3	3	1	1	3	3	1	3	2	1	2	4	4	20	21	2	3	11	11	11	88	11	88	3	11	2	88	88	4	4	11

OBS	N001016AA	N001016BA	N001016CA	N001016DA	N001016EA	N001017AA	N001017BA	N001018AA	N001019AA	N001020AA	N001020BB	N001021AA	N001022AA	N001022BA	N001023AA	N001024AA	N001024BA	N001025AA	N001025BB	N001025CC	N001026AA	N001027AA	N001028AA	N001029AA	N001029BA	N001030AA	N001030BB	N001031AA	N001031BB	N001031CC	N001032AA	N001033AA	N001034AA	N001034AB	N001034BC	N001035AA	N001036AA	N001037AA	N001038AA	N001039AA	N001040AA	N001041AB	N001041BC	N001041CD	N001041DE	N001041EI
20	4	4	2	1	2	20	24	6	2	4	22	25	20	26	21	2	2	2	1	2	1	1	2	5	88	22	4	7	7	24	20	20	11	3	1	1	2	2	1	2	3
21	4	4	4	1	2	20	20	6	5	4	11	20	20	20	23	2	1	2	2	2	1	2	2	3	88	22	7	1	5	11	20	11	11	4	1	1	2	1	1	2	3
22	4	4	4	1	2	20	23	7	3	4	20	23	23	22	22	2	1	2	1	3	3	6	7	5	22	20	4	2	5	11	22	11	20	2	4	2	3	1	1	2	3
23	77	77	11	77	21	11	4	4	4	2	11	20	6	2	2	20	20	20	20	20	22	1	1	1	7	3	1	2	2	2	22	22	4	3	5	11	20	11	20	7	1	7	2	3	2	2	3
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25	20	21	11	20	11	22	4	7	4	2	2	20	20	6	2	4	20	20	20	20	20	23	7	1	2	2	2	1	2	2	1	22	22	4	2	4	24	20	11	20	4	3	1	1	2	2	3	1	2	3
26	11	11	11	11	11	11	4	4	4	1	2	11	21	6	1	2	11	26	27	26	11	2	2	2	1	2	1	5	8	2	88	22	4	5	1	11	21	11	20	2	1	1	2	3	2	1	2	3
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31	77	77	11	77	11	11	4	4	4	1	2	11	11	6	5	1	22	77	77	77	24	7	3	1	1	3	1	1	7	5	77	22	4	5	3	11	20	11	20	2	1	1	2	1	1	2	3	3
32	11	11	11	11	11	11	4	4	4	1	2	11	77	6	4	2	20	20	23	22	21	2	1	2	1	2	1	5	2	4	22	22	4	5	2	25	20	11	20	2	1	1	2	1	1	2	3	3
33	20	21	11	20	21	11	4	4	3	1	2	20	23	6	5	4	20	20	20	27	21	3	2	2	1	1	3	5	1	5	22	22	3	2	4	24	24	21	11	4	2	1	1	2	1	1	3	3
34	11	21	11	23	11	22	4	4	3	2	2	11	23	6	3	2	21	11	23	22	77	1	2	2	1	2	3	5	6	4	22	22	4	5	2	77	20	11	20	4	3	2	3	3	1	2	3	3
35	20	21	11	20	21	20	4	4	3	2	2	11	23	6	3	1	22	20	20	27	21	3	1	2	1	1	2	4	7	4	20	22	4	5	3	24	21	20	20	1	3	2	1	2	2	1	3	3
36	20	21	20	20	11	11	3	1	4	1	1	20	20	6	2	2	20	20	20	20	11	3	1	2	1	2	1	2	1	4	22	22	4	3	5	21	20	20	11	4	1	1	2	2	1	2	3	3
37	11	11	11	20	11	11	4	1	2	1	2	11	11	6	4	2	11	77	77	77	21	2	3	2	2	2	3	5	5	1	77	22	4	2	5	77	20	11	11	4	1	1	2	2	1	2	3	3
38	20	21	11	20	20	88	4	4	4	1	2	20	21	6	6	2	2	20	20	20	20	21	3	3	1	1	2	2	6	3	5	88	22	7	5	4	77	21	11	11	1	1	7	3	3	2	2	3

OBS	AGE	COMSIZE	ELIGHCT	GRDHIGH	GRDLOW	INELNCT	ISVARES	PACKAGE	PADAKIND	PADAGR01	PADAGR10	PADAGR11	PADAGR12	PADAGR02	PADAGR03	PADAGR04	PADAGR05	PADAGR06	PADAGR07	PADAGR08	PADAGR09	PCTSOC1	PCTSOC2	PCTSOC3	PCTPROF	PCTSKILD	PCTUNSKL	PCTFARM	PCTNOEMP	PCTWELFR	PCTASIAN	PCTBLACK	PCTHISP	PCTIND	PCTWHITE	QUALTIT1	NUMQT1	NUMRT1
39	1	4	24	4	1	0	1032	1	0	95	0	0	0	95	95	95	0	0	0	0	0	0	0	100	70	20	8	0	2	0	0	0	0	100	2	0	0
40	1	1	15	8	0	0	2022	1	97	97	0	0	0	97	97	96	95	96	97	95	0	0	0	100	25	36	21	0	16	2	0	93	2	0	5	1	50	0
41	1	4	19	5	0	0	1032	1	95	95	0	0	0	95	95	96	95	0	0	0	0	0	0	100	25	50	20	0	3	2	0	2	0	0	98	1	60	40
42	1	4	18	5	1	0	2072	1	0	98	0	0	0	97	96	96	96	0	0	0	0	35	0	65	10	15	55	0	5	10	0	5	0	0	95	1	135	80
43	1	1	10	5	0	0	4041	1	93	93	0	0	0	0	93	92	93	0	0	0	0	0	0	100	25	40	20	0	5	10	0	35	5	0	60	2	0	0
44	1	4	24	4	1	0	1032	1	0	95	0	0	0	95	95	95	0	0	0	0	0	0	0	100	70	20	8	0	2	0	0	0	0	100	2	0	0
45	1	4	11	8	1	0	2072	1	0	96	0	0	0	96	96	93	96	96	94	95	0	100	0	0	1	50	40	8	0	1	0	0	0	10	90	1	75	60
46	1	1	12	6	0	0	4101	1	90	89	0	0	0	63	92	90	94	90	0	0	0	0	0	100	8	11	2	0	4	75	0	96	3	0	1	1	450	0
47	1	4	14	8	0	0	2082	1	91	91	0	0	0	91	90	90	91	90	90	90	0	0	100	0	5	25	65	1	1	1	0	2	0	0	98	1	90	70
48	1	2	16	6	0	0	4041	1	48	96	0	0	0	96	86	96	94	96	0	0	0	13	73	14	15	46	34	1	4	0	0	21	6	0	73	1	101	71
49	1	1	11	6	0	0	2022	1	91	91	0	0	0	97	91	91	93	92	0	0	0	0	0	100	1	2	10	8	12	75	0	100	0	0	0	1	597	300
50	1	4	24	4	1	0	1032	1	0	95	0	0	0	95	95	95	0	0	0	0	0	0	0	100	70	20	8	0	2	0	0	0	0	100	2	0	0

OBS	CENSDIV	REGOBE	SCENROL	MBAWGT	SES	SOC	PKGCOUNT	SPOPCT	PUBPRVSC	STANDBY	STOCC	TOC	WEIGHTS	BIRTHMO	BATCHSTK	BIRTHYR	FATHRSED	MOTHRSED	FCLGRAD	GRADE	REGNEWSP	REGMAG	MOR25BK	ENYCLPD	MCLGRAD	MODALGR	MMPWKIND	MMPWGR1	MMPWGR2	MMPWGR3	MMPWGR4	MMPWGR5	MMPWGR6	MINSTCHG	COMPSKIL	PKGCONCD	FULLRACE	SCID	SCPSU
39	1	1	193	115.12	3	3	24	25	1	0	7	4	805.81	4	8760009	68	7	5	7	4	2	1	1	1	1	1	1	5	8	7	8	1	1	3	1	1	1	39	975934
40	7	2	250	177.78	2	2	15	22	2	0	4	4	1244.44	9	8760011	68	4	5	1	3	1	2	1	1	1	2	1	6	8	9	7	7	8	1	2	2	1	2	40	974608
41	1	1	741	181.42	3	3	19	137	1	0	7	4	1256.56	8	7210001	68	4	4	1	4	1	2	1	1	1	1	1	4	5	5	6	7	7	7	1	2	2	1	1	41	975934
42	6	2	529	230.17	3	4	18	94	1	0	7	4	1581.36	6	8760013	68	7	7	7	3	1	2	7	1	7	2	1	5	6	5	6	7	7	7	1	2	2	1	1	42	380908
43	7	4	592	108.50	1	2	10	126	1	0	4	4	802.93	5	11260012	68	5	5	1	4	1	2	1	1	1	1	1	3	6	1	7	7	7	1	3	2	1	1	43	488918
44	1	1	193	115.12	3	3	24	25	1	0	7	4	805.81	11	8760009	68	7	7	1	4	1	1	1	1	1	1	1	5	8	6	7	8	7	1	3	3	1	1	44	975934
45	6	2	198	176.70	3	4	11	24	1	0	7	4	1236.87	12	8760018	68	2	2	7	4	7	2	1	1	7	2	1	6	8	6	8	8	8	8	3	3	2	1	1	45	380908
46	7	4	1120	103.28	1	1	12	150	1	0	2	2	707.93	9	11260009	68	7	7	7	3	2	2	7	1	7	2	1	8	8	7	4	8	8	8	3	3	2	1	1	46	488618
47	7	2	762	213.99	3	5	14	91	2	0	7	4	1562.10	9	9470027	68	3	4	2	4	1	2	1	1	2	1	1	5	7	4	4	8	8	8	3	3	2	1	1	47	979108
48	7	4	552	174.52	3	2	16	70	1	0	5	4	1183.48	1	12770003	68	5	5	1	4	1	1	1	1	1	1	1	2	5	8	8	7	7	1	2	2	1	2	48	488918
49	7	2	609	107.78	1	2	11	77	1	0	2	2	805.92	7	12770007	68	5	5	1	4	1	1	1	1	1	1	1	5	8	8	8	7	7	1	2	2	1	1	49	974608
50	1	1	193	115.12	3	3	24	25	1	0	7	4	805.81	3	8760009	68	7	4	7	4	1	1	1	1	7	1	1	5	8	8	8	7	8	1	1	3	2	1	1	50	975934

OBS	SCSCL	SEX	COLGRD	HOMENV	PARED	COLRACE	COLRACC3	N010011A1	N010011A2	N010011A3	N010011B1	N010011B2	N010011B3	N010011C1	N010011C2	N010011C3	N010011D1	N010011D2	N010011D3	N010011E1	N010011E2	N010011E3	N010012A	N010012B	N010013A	N010014A	N010014B	N010015A	N010016A	N010016B	N010016C	N010017A	N010018A	N010018B	N010018C	N010018D	N010018E	N010018F	N010019A	N010020A	N010021A	N010022A	N010022B	N010023A	N010024A	N010024B	N010025A	N010026A
39	19	2	3	2	3	1	1	2	2	1	1	2	2	2	3	2	1	1	2	2	3	1	3	1	2	5	4	3	21	21	4	7	11	11	11	11	11	11	7	11	2	11	11	4	3	11	11
40	6	1	2	2	3	2	1	1	8	8	8	8	2	8	2	3	1	1	1	3	1	1	7	4	8	8	5	8	20	20	1	1	88	11	24	88	20	88	2	11	2	20	20	4	4	88	88
41	71	1	3	2	2	2	2	2	1	1	1	1	1	2	1	1	3	1	1	2	1	1	3	1	2	5	4	3	11	88	3	3	11	11	20	11	11	88	3	11	2	11	11	4	4	11	88
42	6	2	2	1	4	1	1	3	3	1	1	1	1	3	3	1	3	3	1	1	1	1	2	7	4	4	4	3	21	23	1	1	20	21	21	21	21	21	1	11	2	77	88	4	3	22	88
43	10	1	3	2	3	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	3	2	4	5	4	3	21	23	2	3	11	11	11	11	11	11	1	11	2	20	11	3	4	11	11
44	19	2	3	3	4	1	1	2	1	1	1	1	1	2	2	1	2	2	1	2	2	1	3	1	2	5	4	3	22	11	2	3	11	11	11	11	11	11	7	11	2	11	11	3	7	11	11
45	3	2	3	1	1	1	1	2	1	1	8	2	1	3	2	1	2	1	1	1	2	2	7	7	7	5	4	3	21	21	3	1	11	11	11	11	11	11	2	11	2	11	11	4	4	11	24
46	51	1	2	1	4	2	2	3	1	3	1	1	1	1	1	1	1	1	1	1	1	1	7	5	1	5	5	3	88	88	1	2	20	88	88	88	88	88	1	88	4	20	20	3	3	20	20
47	6	1	3	1	2	1	1	2	2	1	3	3	1	2	2	1	1	2	1	1	2	2	3	2	3	5	4	4	22	23	2	3	11	11	11	11	11	11	3	11	2	11	11	3	3	11	11
48	19	1	3	3	3	1	1	1	1	1	1	1	1	2	2	1	1	2	1	1	1	1	2	2	2	3	5	4	4	21	20	3	1	88	88	88	88	88	1	11	2	11	88	4	4	11	11
49	3	2	3	3	3	2	1	2	1	1	2	1	1	2	2	1	1	2	1	1	1	1	2	1	4	2	4	3	3	4	88	88	11	20	88	20	20	20	3	11	2	20	20	4	4	11	21
50	19	2	3	3	2	1	1	1	2	2	1	1	2	2	2	2	2	1	2	2	2	2	1	4	2	5	4	3	22	11	2	3	11	11	11	11	11	11	2	11	2	11	11	4	4	11	11

OBS	N010027A	N010027B	N010028A	N010029A	N010029B	N010030A	N010030B	N010031A	N010031B	N010032A	N010033A	N010034A	N010034B	N010035A	N010035B	N010035C	N010036A	N010037A	N010038A	N010038B	N010039A	N010039B	N010040A	N010041A	N010042A	N010042B	N010043A	N010043B	N010043C	N010044A	N010045A	N010046A	N010047A	N010048A	N010049A	N010050A	N010051A	N010052A	N010053A	N010054A	N010054B	N010055A	N010056A	N010057A	N010058A	N010059A	N010060A	N010061A	N010061B	N010061C	N010061D	N010061E	I
39	11	88	20	88	11	4	4	4	1	2	11	11	6	2	2	88	88	88	88	22	2	2	2	2	2	1	6	7	7	88	20	7	2	7	20	88	11	11	2	1	1	2	2	1	7	3
40	88	88	88	88	88	8	4	3	3	2	88	20	6	4	2	20	20	20	20	24	1	3	1	1	2	1	5	3	2	88	20	4	8	7	88	20	11	20	1	1	1	3	1	1	2	3
41	21	22	88	11	11	4	4	4	1	2	11	20	6	4	3	22	25	26	26	21	2	1	2	1	2	1	2	2	5	22	22	4	5	2	25	20	11	20	4	2	1	1	1	1	2	3
42	88	88	88	11	88	8	7	3	1	2	77	88	6	2	2	22	88	20	20	23	1	2	2	1	1	1	1	2	1	88	22	3	1	5	24	20	11	20	1	3	1	1	3	1	2	3
43	11	11	88	11	11	4	4	4	1	2	20	21	6	2	2	21	11	20	23	21	2	2	3	1	2	1	5	5	5	22	11	4	5	2	20	20	11	11	2	4	1	2	1	1	2	3
44	11	11	11	11	11	4	4	2	1	2	11	11	6	5	1	11	88	88	88	22	2	2	2	2	2	1	6	7	3	77	22	4	7	2	11	20	11	11	1	1	1	2	1	1	2	3
45	11	11	88	11	11	4	4	4	2	2	20	23	6	4	2	20	20	20	26	24	3	2	2	1	2	1	3	2	5	88	22	7	7	7	20	20	11	11	1	7	7	3	3	2	2	3
46	20	20	20	20	20	1	2	2	1	5	20	20	6	3	2	88	20	20	20	22	8	1	2	2	1	8	8	1	5	20	20	3	8	3	23	11	20	20	4	2	7	7	7	1	7	3
47	11	22	11	11	11	4	4	2	1	2	11	23	6	4	2	22	20	20	22	12	2	2	2	2	1	3	3	5	3	5	20	22	4	2	5	11	11	11	11	2	4	2	2	2	1	2	3
48	11	11	25	11	11	4	4	1	3	2	11	21	6	3	7	11	23	23	22	22	3	3	2	2	3	2	7	1	5	88	22	4	5	1	88	23	11	20	4	1	2	7	1	1	2	3
49	11	88	88	21	20	3	2	2	1	2	11	88	6	5	4	1	20	20	20	26	88	7	7	4	1	1	1	5	5	4	88	22	7	7	7	20	88	11	77	4	7	2	1	1	1	2	3
50	11	11	11	11	11	4	4	4	1	2	11	20	6	5	1	11	77	77	77	22	3	2	2	1	2	1	6	7	2	22	23	2	5	4	11	20	11	20	4	3	1	2	2	7	2	3

APPENDIX F: SPSSRUN

```
1.      &START:  VAR .UNDERLINE  STRING  INIT "================================"
2.               VAR .SPACE      STRING  INIT " "
3.               VAR .OPTION     STRING
4.               VAR .LINEX      STRING
5.               VAR .JOBID      STRING
6.               VAR .DSN        STRING
7.               VAR .DSN1       STRING
8.               VAR .DSN2       STRING
9.               VAR .DSN3       STRING
10.              VAR .VOLSER#IN  STRING
11.              VAR .INSEQ#DATA STRING
12.              VAR .INSEQ#SPSS STRING
13.              VAR .VOLSER#OUT STRING
14.              VAR .OUTSEQ#    STRING
15.              VAR .MAXSTEPS   STRING
16.              VAR .SET#1ST    STRING
17.              VAR .VOLSER#WK  STRING  INIT "002595"
18.              VAR .X          INTEGER INIT  0
19.              VAR .Y          INTEGER INIT  0
20.
21.      &LOAD:  USE FROM &WPD1ZCS.SPSSLOG ON CAT
22.              TYPE .SPACE
23.              GO TO &SELECT
24.
25.      &LIST:  TYPE .UNDERLINE .UNDERLINE
26.              LIST FIRST/.999 COL=1/10 67/71 INDENT=21 UNN
27.              LIST 1.000/99.0 COL=1/10 67/71 INDENT=10
28.              TYPE .UNDERLINE .UNDERLINE
29.
30.      &SELECT: TYPE .SPACE
31.              TYPE "ENTER THE FILE-NAME OR 'LIST' OR 'END'"
32.              REQUEST .DSN DEBLANK PROMPT "ENTER: FILE-NAME---------->"
33.              IF(.DSN="END")THEN GO TO &END
34.              IF(.DSN="LIST")THEN GO TO &LIST
35.              LET .X=0
36.
37.      &SEARCH: LET .X=.X+1
38.              IF(.X>99)THEN GO TO &ERROR
39.              IF(LINENO(,.X)=-2)THEN GO TO &ERROR
40.              LET .LINEX=LINE(,.X)
41.              IF(.DSN=COLS(.LINEX,1,8))THEN GOTO &SETUP
42.              GO TO &SEARCH
43.
44.      &ERROR:  TYPE .SPACE
45.              TYPE "*** ERROR *** FILE-NAME (".DSN") NOT FOUND---REENTER"
46.              GO TO &LIST
47.
48.      &SETUP:  TYPE .UNDERLINE .UNDERLINE
49.              TYPE .SPACE
50.              L F/.999 !.X UNN
51.              TYPE .SPACE
52.              TYPE "PROCESSING THE ABOVE FILE (AND PARAMETERS)"
53.              TYPE .SPACE
54.              LET .DSN1       = SUBSTR(.LINEX,01,8)
55.              LET .DSN2       = SUBSTR(.LINEX,04,3)
56.              LET .JOBID      = SUBSTR(.LINEX,04,5)
57.              LET .VOLSER#IN  = SUBSTR(.LINEX,12,6)
58.              LET .INSEQ#SPSS = SUBSTR(.LINEX,22,3)
59.              LET .INSEQ#DATA = SUBSTR(.LINEX,42,3)
60.              LET .VOLSER#OUT = SUBSTR(.LINEX,52,6)
```

```
61.               LET .OUTSEQ#     = SUBSTR(.LINEX,62,3)
62.               LET .MAXSTEPS    = SUBSTR(.LINEX,68,2)
63.               LET .SET#1ST     = SUBSTR(.LINEX,73,2)
64.
65.               IF(SUBSTR(.DSN1,7,2)="09")THEN LET .DSN2=.DSN2"N"
66.               IF(SUBSTR(.DSN1,7,2)="13")THEN LET .DSN2=.DSN2"T"
67.               IF(SUBSTR(.DSN1,7,2)="17")THEN LET .DSN2=.DSN2"S"
68.               IF(SUBSTR(.DSN1,7,2)="AD")THEN LET .DSN2=.DSN2"A"
69.               LET .DSN3=.JOBID"P"
70.               LET .Y=1000
71.
72.     @COPY:    LET .Y=.Y+1
73.               QUIET COPY 500/599.999 TO !.Y  BY .001
74.               LET .LINEX=SUBSTR(.Y,3,2)
75.               IF(.LINEX < .MAXSTEPS)THEN GO TO @COPY
76.               QUIET COPY 100/499.999 TO 1000 BY .001
77.
78.     @CHANGE:  CH "*USER*" TO        !!INITIALS     IN 1000/LAST NOL
79.               CH "*JOB#*" TO        !!.JOBID       IN 1000/LAST NOL
80.               CH "*ACNT*" TO        !!ACCOUNT      IN 1000/LAST NOL
81.               CH "*DSN1*" TO        !!.DSN1        IN 1000/LAST NOL
82.               CH "*DSN2*" TO        !!.DSN2        IN 1000/LAST NOL
83.               CH "*DSN#*" TO COUNT  !!.SET#1ST+1   IN 1000/LAST NOL
84.               CH "*DSN3*" TO        !!.DSN3        IN 1000/LAST NOL
85.               CH "*SEQ#*" TO COUNT  !!.SET#1ST+1   IN 1000/LAST NOL
86.               CH "*VOL1*" TO        !!.VOLSER#IN   IN 1000/LAST NOL
87.               CH "*VOL2*" TO        !!.VOLSER#WK   IN 1000/LAST NOL
88.               CH "*VOL3*" TO        !!.VOLSER#OUT  IN 1000/LAST NOL
89.               CH "##"     TO COUNT    "01"         IN 1000/LAST NOL
90.               CH "*SET#*" TO COUNT  !!.SET#1ST     IN 1000/LAST NOL
91.               CH "*LB#I*" TO COUNT  !!.INSEQ#DATA  IN 1000/LAST NOL
92.               CH "*LB#S*" TO COUNT  !!.INSEQ#SPSS  IN 1000/LAST NOL
93.               CH "*LB#O*" TO COUNT  !!.OUTSEQ#     IN 1000/LAST NOL
94.
95.     @READY:   DELETE F/999.999
96.               TYPE .UNDERLINE .UNDERLINE
97.               TYPE .SPACE
98.               NUM F/L BY 1 START 1
99.               LET .X=LAST
100.              TYPE .SPACE
101.              TYPE "CONTROL NOW RETURNED TO USER"
102.              TYPE "RUN STREAM NOW READY IN WORK-SPACE"
103.              TYPE "JOB-NAME="INITIALS .JOBID"; LINES=".X
104.              TYPE .SPACE
105.
106.    @END:     TYPE .UNDERLINE"END".UNDERLINE
```

APPENDIX G: SPSSLOG

```
 0.1    FILE      | INPUT    | .....INPUT-LABEL-SEQ..... | .SPSS OUTPUT. | MAX  | 1ST |
 0.2    NAME      | VOLSER   | SPSS     |          | DATA     | VOLSER   | SEQ  | STEP | SET |
 0.3    ========= | ======== | ======== | ======== | ======== | ======== | ==== | ==== | ==== |
   1.   C04MAT09  | 049121   | 018-024  |          | 034-040  | 059479   | 001  | 07   | 01  |
   2.   C04MAT13  | 049121   | 060-068  |          | 080-088  | 059479   | 008  | 09   | 01  |
   3.   C04MAT17  | 049121   | 112-122  |          | 136-146  | 059479   | 017  | 11   | 01  |
   4.   Y07BAS13  | 000977   | 008-009  |          | 014-015  | 059476   | 001  | 02   | 01  |
   5.   Y07BAS17  | 000977   | 021-027  |          | 027-028  | 059476   | 003  | 02   | 01  |
   6.   Y09MAT09  | 000322   | 018-024  |          | 034-040  | 057280   | 001  | 07   | 01  |
   7.   Y09MAT13  | 033714   | 026-036  |          | 050-060  | 057280   | 008  | 11   | 01  |
   8.   Y09MAT17  | 034558   | 028-039  |          | 054-065  | 057280   | 019  | 12   | 01  |
   9.   Y02RDL09  | 017741   | 028-039  |          | 054-065  | 059641   | 001  | 12   | 01  |
  10.   Y02RDL13  | 020361   | 034-048  |          | 066-080  | 059641   | 013  | 15   | 01  |
  11.   Y02RDL17  | 020528   | 028-039  |          | 054-065  | 059641   | 028  | 12   | 01  |
  12.   Y02RDLAD  | 020537   | 016-021  |          | 030-035  | 059641   | 040  | 06   | 01  |
  13.   Y06RED09  | 024135   | 010-012  |          | 018-020  | 036251   | 001  | 03   | 01  |
  14.   Y06RED13  | 028355   | 010-012  |          | 018-020  | 036251   | 004  | 03   | 01  |
  15.   Y06RED17  | 028670   | 010-012  |          | 018-020  | 036251   | 007  | 03   | 01  |
  16.   Y11RDL09  | 030155   | 026-036  |          | 050-060  | 037029   | 001  | 11   | 01  |
  17.   Y11RDL13  | 035882   | 034-048  |          | 066-080  | 037029   | 012  | 15   | 01  |
  18.   Y11RDL17  | 037811   | 032-045  |          | 062-075  | 017000   | 001  | 14   | 01  |
  19.   Y07CSS09  | 046920   | 014-018  |          | 026-030  | 057277   | 001  | 05   | 01  |
  20.   Y07CSS13  | 047592   | 020-027  |          | 038-045  | 057277   | 006  | 08   | 03  |
  21.   Y07CSS17  | 051477   | 022-030  |          | 042-050  | 057277   | 014  | 09   | 03  |
  22.   Y08SCI09  | 005130   | 018-024  |          | 034-040  | 042187   | 001  | 07   | 01  |
  23.   Y08SCI13  | 005538   | 024-033  |          | 046-055  | 042187   | 008  | 10   | 01  |
  24.   Y08SCI17  | 010614   | 026-036  |          | 050-060  | 042187   | 018  | 11   | 01  |
  25.   Y08ALLAD  | 011751   | 012-015  |          | 022-025  | 043797   | 001  | 04   | 01  |
 99.999 ==========================================================================================
 100.   //*USER**JOB#* JOB (*ACNT*,M964,C,1000,100),RUDNER
 101.   /*ACCESS WPD1MNM;WPD1ZCS;WPD1NIE
 102.   /*ROUTE PRINT R69
 103.   /*ROUTE XEQ 9T1600
 104.   /*ROUTE XEQ 9T6250
 105.   /*CNTL *USER**JOB#*
 106.   /*DISCOUNT
 107.   /*UNN
 108.   /*NOPURGE
 109.   /*MESSAGE *VOL1*,R
 110.   /*MESSAGE *VOL2*,W;*VOL3*,W
 111.   //PROCLIB   DD DSN=ZABCRUN.PROCLIB,DISP=SHR
 112.   //*************************************************************************
 200.   //STEP00   EXEC TAPECOPY,
 201.   //             INUNIT=9T1600,INPUT=*VOL1*,
 202.   //            OUTUNIT=9T6250,OUTPUT=*VOL2*
 203.   //*************************************************************************
 500.   //STEP##  EXEC SPSS
 501.   //SYSIN    DD  DSN=*DSN1*.SPSS*SET#*,DISP=SHR,
 502.   //              UNIT=9T6250,VOL=SER=*VOL2*,LABEL=(*LB#S*,SL)
 503.   //FT08F001 DD  DSN=*DSN1*.*DSN2**DSN#*0,DISP=SHR,
 504.   //              UNIT=9T1600,VOL=SER=*VOL1*,LABEL=(*LB#I*,SL)
 505.   //FT04F001 DD  DSN=*DSN1*.*DSN3**SEQ#*,DISP=(NEW,KEEP,DELETE),
 506.   //              UNIT=9T6250,VOL=SER=*VOL3*,LABEL=(*LB#O*,SL)
 507.   //SYSABEND DD  SYSOUT=A
 508.   //*************************************************************************
```

APPENDIX H: SAMPLE JCL FOR SPSS RUN

```
1.      //ZCSSPSS1 JOB (WPD1,M964,C,100,100),RUDNER
2.      /*ACCESS WPD1MNM;WPD1ZCS;WPD1NIE
3.      /*ROUTE PRINT R69
4.      /*ROUTE XEQ 9T6250
5.      /*CNTL ZCSMAT09
6.      /*UNN
7.      /*NOPURGE
8.      /*DISCOUNT
9.      /*MESSAGE 057280,R;
10.     //PROCLIB DD DSN=ZABCRUN.PROCLIB,DISP=SHR
11.     //STEP01 EXEC SPSS
12.     //FT03F001    DD  UNIT=9T6250,DISP=SHR,VOL=SER=057280,
13.     //      DSN=Y09MAT09.MAT09P01,LABEL=(1,SL)
14.     //SYSIN DD *
15.     RUN NAME        SAMPLE RUN FOR SPSS SYSTEM FILE
16.     TASK NAME       NATIONAL ASSESSMENT OF EDUCATIONAL PROGRESS
17.     GET FILE        MAT09B01
18.     FREQUENCIES     GENERAL=REGOBE,SEX,COLLRAC3,PARED,TOC
19.     CONDESCRIPTIVE WEIGHTS
20.     FINISH
```

APPENDIX I: SAMPLE SPSS REPORT

```
SPSS BATCH SYSTEM                                                    03/22/82        PAGE    1


DEFAULT SPACE ALLOCATION..     ALLOWS FOR..    102 TRANSFORMATIONS
WORKSPACE     71680 BYTES                      409 RECODE VALUES + LAG VARIABLES
TRANSPACE     10240 BYTES                     1641 IF/COMPUTE OPERATIONS

                1 RUN NAME       SAMPLE RUN FOR SPSS SYSTEM FILE
                2 TASK NAME      NATIONAL ASSESSMENT OF EDUCATIONAL PROGRESS
                3 GET FILE       MAT09B01

EXPECTED FILE MAT09B01 FOUND FILE MAT09P01


                          FILE MAT09P01 HAS 172 VARIABLES

                          THE SUBFILES ARE..

                                     NO OF
                          NAME       CASES

                          MAT09P01    2495


CPU TIME REQUIRED..    0.20 SECONDS


                4 FREQUENCIES    GENERAL=REGOBE,SEX,COLLRAC3,PARED,TOC

GIVEN WORKSPACE ALLOWS FOR  5120 VALUES AND   1536 LABELS PER VARIABLE FOR 'FREQUENCIES'
```

REGOBE OBE REGION

CATEGORY LABEL	CODE	ABSOLUTE FREQ	RELATIVE FREQ (PCT)	ADJUSTED FREQ (PCT)	CUM FREQ (PCT)
NORTHEAST	1.	568	22.8	22.8	22.8
SOUTHEAST	2.	592	23.7	23.7	46.5
CENTRAL	3.	766	30.7	30.7	77.2
WEST	4.	569	22.8	22.8	100.0
	TOTAL	2495	100.0	100.0	

VALID CASES 2495 MISSING CASES 0

SEX SEX

CATEGORY LABEL	CODE	ABSOLUTE FREQ	RELATIVE FREQ (PCT)	ADJUSTED FREQ (PCT)	CUM FREQ (PCT)
MALE	1.	1260	50.5	50.5	50.5
FEMALE	2.	1235	49.5	49.5	100.0
	TOTAL	2495	100.0	100.0	

VALID CASES 2495 MISSING CASES 0

COLLRAC3 COLAPSD RACE-ETHNCTY

CATEGORY LABEL	CODE	ABSOLUTE FREQ	RELATIVE FREQ (PCT)	ADJUSTED FREQ (PCT)	CUM FREQ (PCT)
WHITE	1.	1958	78.5	78.5	78.5
BLACK	2.	395	15.8	15.8	94.3
OTHER	3.	142	5.7	5.7	100.0
	TOTAL	2495	100.0	100.0	

VALID CASES 2495 MISSING CASES 0

PARED PARENTS EDUCATION

CATEGORY LABEL	CODE	ABSOLUTE FREQ	RELATIVE FREQ (PCT)	ADJUSTED FREQ (PCT)	CUM FREQ (PCT)
NOT HIGH SCHOOL GRAD	1.	203	8.1	8.1	8.1
GRADUATED HIGH SCHL	2.	598	24.0	24.0	32.1
POST HIGH SCHOOL	3.	809	32.4	32.4	64.5
UNKNOWN	4.	885	35.5	35.5	100.0
	TOTAL	2495	100.0	100.0	

VALID CASES 2495 MISSING CASES 0

TOC TYPE OF COMMUNITY

CATEGORY LABEL	CODE	ABSOLUTE FREQ	RELATIVE FREQ (PCT)	ADJUSTED FREQ (PCT)	CUM FREQ (PCT)
EXTREME RURAL	1.	179	7.2	7.2	7.2
LOW METROPOLITAN	2.	141	5.7	5.7	12.8
HIGH METROPOLITAN	3.	295	11.8	11.8	24.6
OTHER	4.	1880	75.4	75.4	100.0
	TOTAL	2495	100.0	100.0	

VALID CASES 2495 MISSING CASES 0

CPU TIME REQUIRED.. 1.06 SECONDS

5 CONDESCRIPTIVE WEIGHTS

***** GIVEN WORKSPACE ALLOWS FOR 1433 VARIABLES FOR CONDESCRIPTIVE PROBLEM *****

VARIABLE WEIGHTS RESPONDENT WEIGHT

MEAN	1264.306	STD ERROR	15.035	STD DEV	751.004
VARIANCE	564006.730	KURTOSIS	13.268	SKEWNESS	2.323
RANGE	6839.940	MINIMUM	135.830	MAXIMUM	6975.770
SUM	**********				

VALID OBSERVATIONS - 2495 MISSING OBSERVATIONS - 0

CPU TIME REQUIRED.. 1.37 SECONDS

```
     6 FINISH

NORMAL END OF JOB.
    6 CONTROL CARDS WERE PROCESSED.
    0 ERRORS WERE DETECTED.
```